JULY, 1936 Supplement to Number 300—The School of Medicine

THE UNIVERSITY OF NORTH CAROLINA RECORD

CATALOGUE OF THE DIVISION OF PUBLIC HEALTH OF THE SCHOOL OF MEDICINE

Announcements for the Session 1936-1937

DIVISION OF PUBLIC HEALTH, SERIES No. 2

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912

Digitized by the Internet Archive
in 2014

http://archive.org/details/universityofnort301univ

THE DIVISION OF PUBLIC HEALTH

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President.*

Robert Burton House, A.M., *Dean of Administration.*

Charles Staples Mangum, A.B., M.D., *Dean of School of Medicine.*

Carl V. Reynolds, M.D., *State Health Officer, North Carolina State Board of Health.*

Mark V. Ziegler, A.B., M.D., *Regional Consultant, Interstate Sanitary District No. 2, United States Public Health Service.*

Milton J. Rosenau, A.M., M.D., *Director.*

*THE ADMINISTRATIVE BOARD

Charles Staples Mangum, A.B., M.D.

Milton J. Rosenau, A.M., M.D.

William deBerniere MacNider, M.D., Sc.D., LL.D.

Herman Glenn Baity, A.B., S.B. in C.E., S.M., S.D.

Carl V. Reynolds, M.D.

Robert E. Fox, A.B., M.D., M.P.H.

Mark V. Ziegler, A.B., M.D.

SPECIAL STAFF

Milton J. Rosenau, A.M., M.D., *Director of Division of Public Health, The University of North Carolina.*

Herman Glenn Baity, A.B., S.B. in C.E., S.M., S.D., *Professor of Sanitary Engineering, The University of North Carolina.*

Daniel Allan MacPherson, Sc.M., Ph.D., *Professor of Bacteriology, The University of North Carolina.*

Robert E. Fox, A.B., M.D., M.P.H., *Director Division of County Health Work, N. C. State Board of Health; Professor of Public Health Administration.*

Robert T. Stimpson, A.B., M.D., C.P.H., *Director of Bureau of Vital Statistics, N. C. State Board of Health.*

Joseph C. Knox, M.D., M.P.H., *Director Division of Epidemiology, N. C. State Board of Health.*

Augustus Steele Rose, B.S., M.D., *Associate Professor of Anatomy, The University of North Carolina.*

Arthur Russell Hollett, B.S. in C.E., S.M.E., *Instructor in Civil Engineering, The University of North Carolina.*

John Charles Geyer, S.M.E., *Instructor in Civil Engineering, The University of North Carolina.*

William P. Richardson, M.D., M.P.H., *District Health Officer and Instructor in Public Health for Social Workers.*

*The Dean of Administration, the Registrar, and the Dean of Students are *ex officio* members of each Administrative Board.

SPECIAL LECTURERS

JOHN H. HAMILTON, B.S., M.D., *Director State Laboratory of Hygiene, N. C. State Board of Health.*

HARRY WOLVEN CRANE, Ph.D., *Professor of Psychology, The University of North Carolina.*

WARREN H. BOOKER, C.E., *Director, Division of Sanitary Engineering, N. C. State Board of Health.*

GEORGE M. COOPER, M.D., *Director Division of Preventive Medicine, and Assistant State Health Officer, N. C. State Board of Health.*

ERNEST A. BRANCH, D.D.S., *Director Division of Oral Hygiene, N. C. State Board of Health.*

MARK V. ZIEGLER, A.B., M.D., *Regional Consultant, U. S. Public Health Service.*

LESLIE C. FRANK, B.S., C.E., *Sanitary Engineer in Charge, Milk Investigations, U. S. Public Health Service.*

HERMAN F. EASOM, M.D., *Director Division of Industrial Hygiene, N. C. State Board of Health.*

GENERAL STATEMENT

The University of North Carolina, under the guidance of Dr. Charles S. Mangum, Dean of the School of Medicine, in 1935 offered courses of study in Public Health Administration in order that immediate and practical needs of trained personnel in this State and region might be adequately met. This service was made possible through the coördination of the facilities and the staffs of the Schools of Medicine and Engineering of the University and the North Carolina State Board of Health, the three agencies of the State which are concerned immediately with the problems of public health.

In 1936 a Division of Public Health was established and a Director appointed. The University of North Carolina, at Chapel Hill, has been designated and approved by the United States Public Health Service as the center for the training of health officers for the Interstate Sanitary District No. 2, extending from Delaware to Florida, to carry out the provisions of the Social Security Act for the training of public health personnel. A Field Demonstration Unit has been established in the Orange-Person District Health Unit in coöperation with the City-County Health Department of the adjoining County of Durham for the purpose of giving trainees practical experience in rural and urban health administration.

The object of the Division of Public Health in the beginning is to offer comparatively short courses best adapted to equip personnel for the special responsibilities of health work, such as Public Health Administration, Epidemiology, Vital Statistics, Sanitary Engineering, Public Health Laboratory Methods, Child Hygiene, etc. The curriculum covers a period of twelve weeks and includes intramural instruction, laboratory exercises, health surveys and field work. Following this a month with the field demonstration unit is required for North Carolina trainees. Each State will establish its own unit and requirements for practical experience.

The students in the Division of Public Health are enrolled in the University of North Carolina and enjoy all the rights and privileges of the general student body. They may take courses in other departments of the University, provided they are properly qualified and have the approval of the administration. Upon satisfactory completion of the course a certificate or diploma is awarded by the University.

Students in the Division of Public Health will have the privilege of coöperation with the State and local health administration and the field demonstration unit of the county.

SHORT COURSE IN PUBLIC HEALTH FOR DENTISTS

The Division of Public Health has, during the past year, conducted a special short course designed to better qualify dentists now with the Division of Oral Hygiene of the North Carolina State Board of Health to teach mouth health in the public schools.

As an outgrowth of this successful experience the Division is planning an enlarged program for the training of dentists in public health work to begin at some time during the coming academic year. It is expected that this course will be conducted for a period of twelve weeks, concurrently with the other public health training periods. Inquiries regarding this proposed course should be sent to the Director.

HEALTH AND RECREATION

The health of the student community is cared for by the maintenance of a properly appointed infirmary with a staff of well trained physicians and nurses. The university gymnasium and five large athletic fields provide ample facilities for exercise and recreation, all under the supervision and direction of a well organized department of physical education.

LIBRARIES

In addition to the specialized departmental and school libraries, the general university library, containing over two hundred and eighty thousand volumes, offers its opportunities to members of all divisions of the institution.

LOCATION

Chapel Hill is well located for this purpose, being just thirty miles west of Raleigh, the capital of the State, and the headquarters of the State Board of Health. The University of North Carolina is in the beautiful Piedmont section of hills and forests, served by the Southern Railway and entered from every point by paved roads. It is in an environment of natural beauty and simple culture, age and traditions.

REQUIREMENTS FOR ADMISSION

I. For physicians who will fill positions in public health work, it is expected that those accepted for admission will have a medical degree and perhaps some experience in public health work.

II. For public health workers without medical degrees:
   a. For sanitary engineers a degree in engineering from an accepted university or technical school is a prerequisite.
   b. For sanitarians, a bachelor's degree from a recognized institution of learning.
   c. For sanitary officers, credits in physics, chemistry and biology of college grade.

III. Special Students. Practical experience may be accepted by the University in lieu of college courses, each case to be arranged with the Director.

CERTIFICATES AND DIPLOMAS

Certificate: Those having a degree in medicine or engineering and completing an approved course of studies for health officers, sanitary engineers or sanitarians and complying with all requirements will be entitled to a certificate signed by the President of the University, the Secretary of the State Board of Halth, the Dean of the School of Medicine, and the Director of the Division of Public Health.

Diploma: Those completing an approved course of studies to prepare them for the duties of a sanitary officer and who have complied with all requirements will be entitled to a diploma signed by the Dean of the School of Medicine and the Director of the Division of Public Health.

Letter of Attendance: A letter of attendance may be given to those who take some or all of the courses.

FEES AND EXPENSES

The fees, including tuition and registration, will be $100.00 for health officer trainees for the three months' period, and $75.00 for personnel desiring training in sanitary engineering or in the sanitary sciences. Students may be admitted from outside the Sanitary District No. 2. The fees charged for such students will be $200.00 for the course for health officers, and $150.00 for the course in sanitary engineering or in the sanitary sciences, payable in advance.

Students are requested to bring a microscope.

DORMITORY ACCOMMODATIONS

Dormitory accommodations are available in the University dormitories, room rent ranging from $5.25 to $10.00 a month for each occupant, price depending upon the location of the room. This includes light, heat and service. All rooms in the dormitory are completely furnished. Students will, however, provide their own pillows, bed linen (for single beds), blankets and towels.

Rooms in private homes may be obtained at a cost of from $15.00 to $20.00 per month.

BOARD

The University is glad to announce that the University Dining Hall Cafeteria will be open for business in September, 1936. It will guarantee good food prepared under a scientific dietitian, and will furnish this food at a non-profit cost. The more patronage it has from students, the lower the cost will be.

Board may be had in private boarding places, cafeterias, coffee shops, and cafes at from $22.50 a month to $35.00 a month.

The University operates a well equipped laundry which takes care of the students' washing and ironing at moderate cost.

SCHOLARSHIPS

Scholarships, including an allowance for expenses, have been allotted to the District of Columbia, Delaware, Maryland, Virginia, West Virginia, North Carolina, South Carolina, Georgia and Florida under the Social Security Act. Application for these scholarships should be made to the State Health Officer of the State in which the applicant resides.

REGISTRATION

Two courses of three months each will be offered during the year 1936-1937, one in the fall and one in the spring.

Students who are accepted for the fall term will register in the office of the Secretary of the Division of Public Health on *Thursday, September 17, 1936,* between the hours of 9 a. m. and 5 p. m.

Students who are accepted for the spring term will register in the office of the secretary of the Division of Public Health on *Monday, March 15, 1937,* between the hours of 9 a. m. and 5 p. m.

EXAMINATIONS

The regular examinations in the Division of Public Health are held during the final week of each training period.

THE PUBLIC HEALTH CURRICULA

The following courses, except those which are designated for special groups, are required of all trainees. Extra time is given for the instruction of health officers in public health administration, epidemiology and child hygiene. Sanitary engineers are given a special advanced course in the more technical phases of public health engineering.

101 Public Health Administration
111 The Principles and Practices of Sanitation
112 Sanitary Engineering
121 Epidemiology
122 Communicable Diseases
131 Child Hygiene
141 Vital Statistics
151 Public Health Laboratory Methods
161 Preventive Medicine and Hygiene
Public Health Surveys and Sanitary Excursions
Conferences

COURSES OF INSTRUCTION

101. PUBLIC HEALTH ADMINISTRATION.

Lectures: The theory of public health administration is developed by a study of the administrative methods actually employed in various governmental units including municipalities, counties, states, and the federal government. Certain phases of public health administration are covered by special lecturers who are invited from time to time to cover those particular fields upon which they can speak with authority.

Some time is given to proper procedures in the administrative control of the more important communicable diseases such as tuberculosis, venereal diseases, diphtheria, pneumonia, measles, whooping cough, meningitis, typhoid fever, intestinal parasites, rabies, and malaria.

Each student is required to make a public health survey of some city or town according to an outline supplied him.

Each student compiles his own text book during the course, using a loose leaf system. The notes on the lectures are supplemented by pamphlets, reprints, forms, and references to specific phases of the work, so that at the end of the course the student has the nucleus for a public health reference library which can be enlarged from year to year.

Field Studies and Demonstration: Arrangements are made for field visits to the adjoining health departments and the North Carolina State Board of Health for the purpose of coördinating the lecture material with actual field demonstration.

Three lecture and two demonstration hours each week. Professor Fox and special lecturers.

111. THE PRINCIPLES AND PRACTICES OF SANITATION.

A general survey course, consisting of lectures, demonstrations, laboratory exercises, and field visits, designed to meet the needs of students preparing to engage in public health activities. The following subjects will receive attention: (1) Historical and Epidemiological background of sanitation, its direct and indirect effects on the public health; (2) Sanitary surveys; (3) Rural sanitation; (4) Water supply—protection of sources, collection, purification and distribution; (5) Sewerage—sewage collection, treatment, disposal, stream sanitation; (6) Laboratory analysis of water, sewage, and industrial wastes; (7) Malaria control; (8) Illumination; (9) Plumbing; (10) Food Sanitation—production, preservation, and preparation; (11) Milk sanitation; (12) Shellfish sanitation; (13) Garbage and refuse collection and disposal; (14) Sanitation of schools, camps, and bathing places.

This course includes several field trips with reports on the following:

1. Sanitary survey of rural and domestic water supplies.
2. Inspection of water purification plants and sewage treatment works.
3. Inspection of garbage collection, equipment, and incinerators.
4. Inspection and rating of dairies of all grades.
5. Inspection and rating of hotel and restaurant kitchens and food stores.
6. Inspection and rating of prison camp and school sanitary facilities.

Three lecture and four laboratory hours each week. Professor Baity and Messrs. Geyer and Hollett.

112. SANITARY ENGINEERING.

An advanced course in sanitary and public health engineering for students holding engineering degrees. It includes studies of the design and operation of water supply and sewerage systems, water and sewage treatment plants, industrial waste disposal, rural sanitation, drainage, malaria control, hydrology, etc. Parallel laboratory exercises comprise problems in the layout and

design of sanitary engineering works and in the laboratory techniques employed in their operation and control.

Three lecture and four laboratory hours each week. Professor Baity, Messrs. Geyer and Hollett.

121. EPIDEMIOLOGY.

The course will consist of lectures and demonstrations, and will cover the epidemiology of important type diseases, such as small pox, typhoid fever, para-typhoid fever and dysentery, diphtheria, scarlet fever, measles, whooping cough, influenza and pneumonia, tuberculosis, poliomyelitis, malaria, endemic typhus, Rocky Mountain spotted fever, pellagra, venereal diseases.

The practical field work of this course will be obtained in local health departments, both city and county. The epidemiological study of one disease is required in written form from each student.

Three hours each week. Dr. Rosenau and Dr. Knox.

122. COMMUNICABLE DISEASES.

This course, for sanitary engineers, sanitarians, and sanitary officers, consists of lectures describing the clinical picture of the more common communicable diseases, particularly those diseases covered in the courses in Epidemiology and Preventive Medicine and Hygiene.

Three hours each week. Professor Rose.

131. CHILD HYGIENE.

Lectures will cover maternity and infancy hygiene, growth and development of the child, nutrition and food requirements, deficiency diseases, child welfare agencies, diseases peculiar to childhood, oral hygiene, mental hygiene.

Practical field work will be obtained in the field training center.

Two hours each week. Professor Fox, Dr. Knox, Dr. Cooper and Dr. Branch.

141. VITAL STATISTICS.

The lectures outline methods of vital registration, the participation of local health departments in recording births and deaths, and the value of these records when properly used. Methods are presented for collecting, tabulating, and graphically presenting statistical data, with special emphasis on their use by the county health officer. The calculations include population estimations, rates and ratios, and simple curve fitting. Laboratory work furnishes the student an opportunity to apply the principles covered by the lectures.

One lecture and two laboratory hours each week. Dr. Stimpson.

151. PUBLIC HEALTH LABORATORY METHODS.

Lectures, discussions, and practical laboratory work in the diagnosis of diseases of public health importance, such as: scarlet fever, diphtheria, tuberculosis, whooping cough, pneumonia, typhoid fever, bacillary and amoebic dysentery, brucellosis, gonorrhoea, syphilis, rabies, malaria, and hook worm. Insect vectors are examined, and simple classification of mosquitoes attempted. The preparation, standardization, and use of biological products is discussed, and the student performs Schick, Dick, Widal, Wassermann, and Kahn tests. Emphasis is placed on proper taking of specimens, principles involved in diagnosis, and interpretation of results.

One lecture and six laboratory hours each week. Professor MacPherson.

161. PREVENTIVE MEDICINE AND HYGIENE.

A general course in preventitive medicine from the standpoint of epidemiology, covering some of the important facts on which scientific and sound public health administration is based.

Three hours each week. Dr. Rosenau.

PUBLIC HEALTH SURVEYS AND SANITARY EXCURSIONS

Several field trips are made, especially in the courses dealing in sanitary engineering, public health administration, and epidemiology. Students will be accompanied by instructors.

MISCELLANEOUS

Instruction is also given in public speaking, mental hygiene, heredity and sex hygiene, mental deficiency, etc.

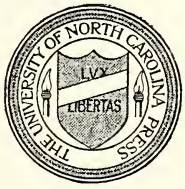
PUBLIC HEALTH UNIT FOR FIELD INSTRUCTION

An additional month will be devoted to actual work in this unit, under the guidance and instruction of Dr. William P. Richardson, for North Carolina trainees.

FEBRUARY 15, 1936 NUMBER 301

THE UNIVERSITY OF NORTH CAROLINA RECORD

THE UNIVERSITY OF NORTH CAROLINA PRESS
ISSUED 12 TIMES A YEAR AS FOLLOWS: 4 NUMBERS IN FEBRUARY, 3 NUMBERS IN MARCH, 3 NUMBERS IN APRIL, 1 NUMBER EACH IN JUNE AND OCTOBER
ENTERED AS SECOND-CLASS MATTER AT THE POSTOFFICE AT
CHAPEL HILL, N. C.
UNDER THE ACT OF AUGUST 24, 1912



ANNOUNCEMENT OF THE

SUMMER SESSION

AT CHAPEL HILL, N. C.

1936

First Term: June 11th-July 22nd
Second Term: July 23rd-August 29th

CALENDAR

First Term

June 11, *Thursday*—Registration Day. (Extra fee for late registration after today.)

June 12, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

June 13, *Saturday*—Regular classes in all departments.

June 15, *Monday*—Those registering today or Tuesday will be required to pay an extra fee of $5.00 for late registration.

June 16, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

July 21-22, *Tuesday and Wednesday*—Examinations.

Second Term

July 23, *Thursday*—Registration of new students. (Extra fee for late registration after today.)

July 24, *Friday*—Instruction begins in all departments at 8:00. (Those registering today—or tomorrow—will be required to pay an extra fee of $2.50 for late registration.)

July 25, *Saturday*—Regular classes in all departments.

July 27, *Monday*—Those registering today—or Tuesday—will be required to pay an extra fee of $5.00 for late registration.)

July 28, *Tuesday*—Registration for credit will not be permitted after 5:00 o'clock today, except by executive permission.

August 1, *Saturday*—Masters' theses may not be submitted after this date.

August 8, *Saturday*—Regular classes in all departments. Written examinations for the Masters' degree may not be taken after this date.

August 22, *Saturday*—Regular classes in all departments.

August 27, *Thursday*—Class instruction ends at 6:00.

August 28-29, *Friday and Saturday*—Final examinations.

TABLE OF CONTENTS

	PAGE
CALENDAR	4
OFFICERS OF ADMINISTRATION	5
STAFF OF INSTRUCTION	8
PART I	
GENERAL INFORMATION	14
PART II	
DEPARTMENTS OF INSTRUCTION	24
Astronomy	24
Bacteriology	24
Botany	24
Chemistry	25
Commerce	27
Economics	27
Education	29
English	33
General and Comparative Literature	36
Geology	36
German	37
History	38
Latin	40
Law	42
Library Science	42
Mathematics	43
Music	44
Pharmacy	47
Physical Education	48
Physics	48
Political Science	49
Psychology	50
Public Administration	51
Romance Languages	52
Rural Social Economics	54
Sociology	55
Zoölogy	57
PART III	
SPECIAL FEATURES	58
Carolina Playmakers	58
Course on Marriage—Professor Ernest R. Groves	58
Institute on Public Welfare	58
State Conference on Adult Education	59
Fine Arts	59
Art Institute	59
Nursing Education	59
Annual Parent-Teacher Institute	59
Annual Coaching School	60
Conference on Education and Public Relations	60
Course in Instruction and Administration	60
Social Activities	60
The Y.W.-Y.M.C.A.	61
Special Music Announcements	62
University High School	64

OFFICERS OF ADMINISTRATION

THE CONSOLIDATED UNIVERSITY

Frank Porter Graham, M.A., LL.D., D.C.L., Litt.D., *President.*
Charles Thomas Woollen, *Controller.*
Edgar Wallace Knight, Ph.D., *Director of the Summer Sessions.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Marion Rex Trabue, Ph.D., *Director of the Division of Education.*

THE CONSOLIDATED SUMMER SESSIONS ADMINISTRATIVE BOARD

Edgar Wallace Knight, Ph.D.
Charles Thomas Woollen
William Whatley Pierson, Ph.D.
Marion Rex Trabue, Ph.D.
Robert Burton House, A.M.
John William Harrelson, M.E.
Walter Clinton Jackson, B.S., LL.D.

THE UNIVERSITY AT CHAPEL HILL

Frank Porter Graham, M.A., LL.D., D.C.L., D.Litt., *President of the Consolidated University.*
Charles Thomas Woollen, *Controller of the Consolidated University.*
Robert Burton House, A.M., *Dean of Administration.*
Livingston Bertram Rogerson, *Assistant Controller.*
Thomas James Wilson, Jr., Ph.D., *Dean of Admissions, Registrar, and Secretary of the Faculty.*
Robert Bingham Downs, M.S., *Librarian.*
Francis Foster Bradshaw, Ph.D., *Dean of Students.*
Mrs. Marvin Hendrix Stacy, *Adviser to Women.*
Robert Allison Fetzer, B.S., M.A., *Director of Athletics.*
Ben Husbands, A.B., *Associate Registrar.*
George Kenneth Grant Henry, Ph.D., *Assistant Registrar.*
Julius Algernon Warren, *Treasurer and Bursar.*
Matt Lee Thompson, S.B.Comm., *Auditor.*

THE COLLEGE AND THE SCHOOLS

Allan Wilson Hobbs, Ph.D., *Dean of the College of Arts and Sciences.*
William Whatley Pierson, Ph.D., *Dean of the Graduate School.*
Maurice Taylor VanHecke, J.D., *Dean of the School of Law.*
Charles Staples Mangum, A.B., M.D., *Dean of the School of Medicine.*
John Grover Beard, Ph.G., Ph.M., *Dean of the School of Pharmacy.*

WILLIAM JASPER MILLER, E.E., S.M.E.E., *Acting-Dean of the School of Engineering.*
DUDLEY DEWITT CARROLL, M.A., *Dean of the School of Commerce.*
SUSAN GREY AKERS, Ph.D., *Director of the School of Library Science.*
HOWARD WASHINGTON ODUM, Ph.D., LL.D., *Dean of the School of Public Administration.*
CORYDON PERRY SPRUILL, A.B., B.Litt. (Oxon.), *Dean of the General College.*

ADMINISTRATIVE BOARD OF THE SUMMER SESSION (CHAPEL HILL)

ROBERT BURTON HOUSE, A.M., *Chairman*
LIVINGSTON BERTRAM ROGERSON
WILLIAM WHATLEY PIERSON, Ph.D.
ALLAN WILSON HOBBS, Ph.D.
DUDLEY DEWITT CARROLL, M.A.
MARION REX TRABUE, Ph.D.
FRANCIS FOSTER BRADSHAW, Ph.D.
THOMAS JAMES WILSON, JR., Ph.D.

THE EXTENSION DIVISION

RUSSELL MARVIN GRUMMAN, B.H., *Director.*
EDGAR RALPH RANKIN, A.M., *Head, Department of School Relations.*
WILLIAM JOHN MCKEE, Ph.D., *Head, Department of In-Service Teacher Training.*

THE GYMNASIUM

ROBERT BAKER LAWSON, M.D., *Director.*

THE INFIRMARY

WALTER REECE BERRYHILL, A.B., M.D., *University Physician.*
EDWARD MCGOWAN HEDGPETH, A.B., M.D., *Assistant University Physician.*

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

HARRY FULCHER COMER, M.A., *General Secretary.*
EDWIN SIDNEY LANIER, *Self-Help Secretary.*

GENERAL STATEMENT

In accordance with the plans that are being carried out in the consolidation of the Greater University of North Carolina, the Summer Sessions of the University at Chapel Hill, of the State College of Agriculture and Engineering at Raleigh, and of the Woman's College at Greensboro have been united into one organization. A Director for all three of the schools has been appointed. The Dean of Administration of each institution has charge of the administration. The work of the three divisions will be arranged according to function:

Regular college work of standard grade will be provided at each institution. Elementary Education will be the distinctive field of work at Greensboro; Agricultural, Vocational, and Technological training, at State College; and Undergraduate work (including Secondary Education) and Graduate work, the distinctive fields at the University at Chapel Hill.

There will be a single session of six weeks at each of the institutions, with a second term of six weeks at Chapel Hill only. The work of the three institutions is being correlated and coördinated in such a way that the students and teachers of the state may be better served than hitherto. Special effort will be made to provide in the second term at Chapel Hill work which will supplement courses taken in the first term at Greensboro or at Raleigh.

Separate announcements are issued for each of the three divisions of the Consolidated Summer Schools.

From this point on—the General Information, Announcement of courses to be offered, and Special Features given in this Announcement are for the University Summer Session at Chapel Hill. Requests for the announcement of the Woman's College Summer Session should be addressed to Dr. W. C. Jackson, Dean of Administration, Greensboro, and requests for the announcement of State College Summer Session should be addressed to Col. J. W. Harrelson, Dean of Administration, Raleigh.

STAFF OF INSTRUCTION

Members of the University's Regular Staff

RAYMOND WILLIAM ADAMS, PH.D. — ENGLISH
Associate Professor of English — Second Term

SUSAN GREY AKERS, PH.D. — LIBRARY SCIENCE
Professor of Library Science and Director of the School of Library Science — Second Term

ENGLISH BAGBY, PH.D. — EDUCATIONAL PSYCHOLOGY
Professor of Psychology — First Term

JAMES OSLER BAILEY, PH.D. — ENGLISH
Assistant Professor of English — First Term

ERNEST SCOTT BARR, A.M. — PHYSICS
Instructor in Physics — Second Term

JOHN ALFRED BARRETT, A.B. — SPANISH
Teaching Fellow in Spanish — Second Term

LINTON LOMAS BARRETT, M.A. — SPANISH
Instructor in Spanish — Second Term

ABRAM GUSTAVUS BAYROFF, PH.D. — PSYCHOLOGY
Instructor in Psychology — First Term

WILLIAM STANLEY BERNARD, A.M. — COMPARATIVE LITERATURE
Professor of Greek — First Term

EDWARD MORRIS BERNSTEIN, PH.D. — ECONOMICS
Associate Professor of Business Administration — First Term

JOHN MANNING BOOKER, PH.D. — ENGLISH
Professor of English — Second Term

RALPH WALTON BOST, PH.D. — CHEMISTRY
Associate Professor of Chemistry — First Term

MILLARD BRECKENRIDGE, PH.B., LL.B. — LAW
Professor of Law — Second Term

LEE MARSHALL BROOKS, PH.D. — SOCIOLOGY
Associate Professor of Sociology — First Term

ROY MELTON BROWN, PH.D. — PUBLIC ADMINISTRATION
Associate Professor of Public Administration — First Term

EDWARD TANKARD BROWNE, PH.D. — MATHEMATICS
Professor of Mathematics — First Term

DANIEL HOUSTON BUCHANAN, PH.D. — ECONOMICS
Professor of Economics — First Term

HENRY MATTHEW BURLAGE, PH.D. — PHARMACY
Professor of Pharmacy — First Term

WALLACE EVERETT CALDWELL, PH.D. — HISTORY
Professor of Ancient History — First Term

DUDLEY DEWITT CARROLL, M.A. — ECONOMICS
Professor of Economics and Dean of the School of Commerce — First Term

JOHN ERWIN CARROLL, JR., M.A. — FRENCH
Instructor in Romance Languages — First Term

JAMES HARMON CHADBOURN, A.B., J.D. — LAW
Assistant Professor of Law — Second Term

FREDERIC EDWARD COENEN, A.M. — GERMAN
Instructor in German — First Term

WILLIAM CHAMBERS COKER, PH.D. — BOTANY
Kenan Professor of Botany — Both Terms

OLIVER KELLY CORNWELL, M.A. — PHYSICAL EDUCATION
Professor of Physical Education — First Term

JOHN NATHANIEL COUCH, PH.D. — BOTANY
Professor of Botany — First Term

HARRY WOLVEN CRANE, PH.D. — PSYCHOLOGY
Professor of Psychology — First Term

WALTER DEVEREAUX CREECH, JR., A.M. — FRENCH
Instructor in French — Second Term

HORACE DOWNS CROCKFORD, PH.D. — CHEMISTRY
Associate Professor of Chemistry — First Term

JOHN FREDERICK DASHIELL, PH.D. — PSYCHOLOGY
Kenan Professor of Psychology — Second Term

HENRY BRONSON DEWING, PH.D. — LATIN
Visiting Professor of Latin — Second Term

JAMES TALMADGE DOBBINS, PH.D. — CHEMISTRY
Professor of Chemistry — First Term

FLOYD HARRIS EDMISTER, PH.D. — CHEMISTRY
Associate Professor of Chemistry — Second Term

SAMUEL THOMAS EMORY, A.M. — GEOLOGY
Assistant Professor of Geology — Second Term

ESTON EVERETT ERICSON, PH.D. — ENGLISH
Associate Professor of English — Both Terms

JAMES GILBERT EVANS, M.A. — ECONOMICS
Associate Professor of Economics — Second Term

PRESTON COOKE FARRAR, M.A. — EDUCATION
Associate Professor of the Teaching of English — Second Term

JAMES WILLIAM FESLER, PH.D. — POLITICAL SCIENCE
Acting-Assistant Professor of Political Science — First Term

KEENER CHAPMAN FRAZER, A.M. — POLITICAL SCIENCE
Associate Professor of Political Science — Second Term

WERNER PAUL FRIEDERICH, PH.D. — GERMAN
Instructor in German — Second Term

KARL HARTLEY FUSSLER, PH.D. — PHYSICS
Professor of Physics — First Term

HUGO GIDUZ, A.B. — EDUCATION
Associate Professor of the Teaching of French — First Term

ERNEST RUTHERFORD GROVES, A.B., B.D. — SOCIOLOGY
Research Professor of Sociology — Both Terms

JOHN MINOR GWYNN, PH.D. — EDUCATION
Assistant Professor of the Teaching of Latin — First Term

FRANK WILLIAMS HANFT, A.B., S.J.D. — LAW
Associate Professor of Law — Second Term

GUSTAVE ADOLPHUS HARRER, PH.D. — LATIN
Kenan Professor of Latin — First Term

GLEN HAYDON, PH.D. — MUSIC
Professor of Music — First Term

FRANCIS CLEMENT HAYES, M.A. — SPANISH
Instructor in Spanish — First Term

HERBERT HAZELMAN, A.B. — MUSIC
Technical Assistant in the Department of Music — First Term

MILTON SYDNEY HEATH, A. M. — ECONOMICS
Associate Professor of Economics — Second Term

ARCHIBALD HENDERSON, PH.D. — MATHEMATICS
Kenan Professor of Mathematics — First Term

RICHARD JUNIUS MENDENHALL HOBBS, LL.B. — COMMERCE
Professor of Business Law — Second Term

SAMUEL HUNTINGTON HOBBS, JR., PH.D. — RURAL SOCIAL-ECONOMICS
Professor of Rural Social-Economics — Both Terms

URBAN TIGNER HOLMES, JR., PH.D. — FRENCH
Professor of French — Both Terms

ALMONTE CHARLES HOWELL, PH.D. — ENGLISH
Associate Professor of English — Second Term

VINTON ASBURY HOYLE, PH.D. — MATHEMATICS
Assistant Professor of Mathematics — Second Term

JOHN WARFIELD HUDDLE, PH.D. — GEOLOGY
Assistant Professor of Geology — Second Term

ARTHUR PALMER HUDSON, PH.D. — ENGLISH
Professor of English — Second Term

HOWARD RUSSELL HUSE, PH.D. — FRENCH
Professor of Romance Languages — First Term

MARION LEE JACOBS, M.SC. — PHARMACY
Associate Professor of Pharmaceutical Chemistry — First Term

WILLIAM SUMNER JENKINS, PH.D. — POLITICAL SCIENCE
Associate Professor of Political Science — Second Term

KATHARINE JOCHER, PH.D. — PUBLIC ADMINISTRATION
Assistant Director and Research Associate in the Institute for Research in Social Science — Second Term

CECIL JOHNSON, PH.D. — HISTORY
Assistant Professor of History — First Term

CREIGHTON CLINTON JONES, M.S. — PHYSICS
Assistant in Physics — First Term

ARTHUR MELVILLE JORDAN, PH.D. — EDUCATION
Professor of Educational Psychology — Second Term

LUCILE KELLING, B.A., B.L.S. — LIBRARY SCIENCE
Assistant Professor of Library Science — First Term

ARNOLD KIMSEY KING, A.M. — EDUCATION
Assistant Professor of the Teaching of History — Second Term

EDGAR WALLACE KNIGHT, PH.D. — EDUCATION
Kenan Professor of Education — First Term

JOHN WAYNE LASLEY, JR., PH.D. — MATHEMATICS
Professor of Pure Mathematics — Second Term

GEORGE HAROLD LAWRENCE, A.M. — PUBLIC ADMINISTRATION
Supervisor of Field Social Work — Both Terms

STURGIS ELLENO LEAVITT, PH.D. — SPANISH
Professor of Spanish — First Term

JOE BURTON LINKER, PH.D. — MATHEMATICS
Associate Professor of Mathematics — Second Term

ROBERT WHITE LINKER, PH.D. — FRENCH
Instructor in French — First Term

CHARLES EDWARD LLOYD, A.B. — GERMAN
Instructor in German — Second Term

GERALD RALEIGH MACCARTHY, PH.D. — GEOLOGY
Associate Professor of Geology — First Term

WILLIAM JOHN MCKEE, PH.D. — EDUCATION
Professor of Education in Extension Teaching — Second Term

WILLIAM ALBERT MCKNIGHT, M.A. — SPANISH
Instructor in Romance Languages — First Term

WILLIAM MILTON MCLEOD, PH.D. — FRENCH
Instructor in French — First Term

DANIEL ALLAN MACPHERSON, PH.D. — BACTERIOLOGY
Professor of Bacteriology — First Term

ERNEST LLOYD MACKIE, PH.D. — MATHEMATICS
Professor of Mathematics — First Term

EDWIN CARLYLE MARKHAM, PH.D. — CHEMISTRY
Assistant Professor of Chemistry — First Term

ROBERT DOUTHAT MEADE, PH.D. — HISTORY
Instructor in History — Second Term

ERNEST CHRISTIAN PAUL METZENTHIN, PH.D. — GERMAN
Associate Professor of German — First Term

HAROLD DIEDRICH MEYER, A.M. — SOCIOLOGY
Professor of Sociology and Supervisor of Field Work — First Term

HARRY ESTILL MOORE, M.A. — SOCIOLOGY
Teaching Fellow in Sociology — Second Term

ROY WILLIAMSON MORRISON, PH.D. — EDUCATION
Associate Professor of Education in Extension Teaching — First Term

JOHN ELDON MULDER, A.B., LL.M. — LAW
Assistant Professor of Law — First Term

HOWARD FREDERICK MUNCH, A.M. — EDUCATION
Associate Professor of the Teaching of Mathematics — First Term

ALBERT RAY NEWSOME, PH.D. — HISTORY
Professor of History — First Term

HOWARD WASHINGTON ODUM, PH.D. — SOCIOLOGY
Kenan Professor of Sociology — First Term

WILLIAM ANDERSON OLSEN, A.M. — ENGLISH
Assistant Professor of English — First Term

GREGORY LANSING PAINE, PH.D. — ENGLISH
Professor of English — First Term

EARLE EWART PEACOCK, A.B., M.B.A., C.P.A. — COMMERCE
Professor of Accounting — Second Term

CARL HAMILTON PEGG, PH.D. — HISTORY
Assistant Professor of History — First Term

WILLIAM WHATLEY PIERSON, PH.D. — HISTORY
Professor of History and Political Science and Dean of the Graduate School. — Second Term

EARLE KEITH PLYLER, PH.D. — PHYSICS
Professor of Physics — Second Term

CARLETON ESTEY PRESTON, PH.D. — EDUCATION
Associate Professor of the Teaching of Science — First Term

WILLIAM FREDERICK PROUTY, PH.D. — GEOLOGY
Professor of Stratigraphic Geology — First Term

CHARLES BASKERVILLE ROBSON, PH.D. — POLITICAL SCIENCE
Associate Professor of Political Science — First Term

CHARLES PHILLIPS RUSSELL, A.B. — ENGLISH
Associate Professor of English — First Term

HARRY KITSUN RUSSELL, PH.D. — ENGLISH
Assistant Professor of English — Second Term

JOSIAH COX RUSSELL, PH.D. — HISTORY
Assistant Professor of History — Second Term

SHIPP GILLESPIE SANDERS, A.M. — LATIN
Associate Professor of Latin — First Term

WILEY BRITTON SANDERS, PH.D. — PUBLIC ADMINISTRATION
Associate Professor of Public Administration — First Term

JAN PHILIP SCHINHAN, A.M. — MUSIC
Assistant Professor of Music — Second Term

GUSTAV THEODOR SCHWENNING, PH.D. — COMMERCE
Professor of Business Administration — First Term

SAMUEL SELDEN, A.B. — ENGLISH
Assistant Professor of English and Associate Director of the Carolina Playmakers — First Term

ROBERT BOIES SHARPE, PH.D. — ENGLISH
Assistant Professor of English — Second Term

ROBERT HOWARD SHERRILL, M.A., C.P.A. — COMMERCE
Associate Professor of Accounting — First Term

EARL ANDERSON SLOCUM, B. MUS. — MUSIC
Assistant Professor of Music — First Term

JOHN LEROY SMITH, A.M. — FRENCH
Instructor in French — Second Term

WILLIAM LAMONT SMITH, A.B. — PHYSICS
Teaching Fellow in Physics — First Term

CORYDON PERRY SPRUILL, JR., B.LITT. (OXON.) — ECONOMICS
Professor of Economics — First Term

STERLING AUBREY STOUDEMIRE, PH.D. — SPANISH
Associate Professor of Spanish — Second Term

OTTO STUHLMAN, JR., PH.D. — PHYSICS
Professor of Physics — First Term

WILLIAM FLINT THRALL, PH.D. — ENGLISH
Professor of English — First Term

BEVERLY REID THURMAN, A.M. — FRENCH
Instructor in French — Second Term

HENRY ROLAND TOTTEN, PH.D. — BOTANY
Professor of Botany — Second Term

MARION REX TRABUE, PH.D. — EDUCATION
Professor of Education and Director of Division of Education — Both Terms

HENRY McGILBERT WAGSTAFF, PH.D. — HISTORY AND POLITICAL SCIENCE
Professor of History — Second Term

WILLIAM LEON WILEY, PH.D. — FRENCH
Associate Professor of French — Second Term

FRANCIS DUDLEY WILLIAMS, A.M. — PHYSICS
Teaching Fellow in Physics — Second Term

LYLE LYNDON WILLIAMS, A.M. — ZOÖLOGY
Teaching Fellow in Zoölogy — Second Term

WILLIAM WALDO WILLIAMS, S.M. — CHEMISTRY
Teaching Fellow in Chemistry — Second Term

WILLIAM LESTER WILSON, A.M. — ENGLISH
Instructor in English — First Term

REX SHELTON WINSLOW, A.M. — ECONOMICS
Instructor in Economics — First Term

ARTHUR SIMEON WINSOR, PH.D. — MATHEMATICS
Associate Professor of Mathematics — First Term

HARRY DEMERLE WOLF, PH.D. — ECONOMICS
Professor of Economics — Second Term

EDWARD JAMES WOODHOUSE, LL.B. — POLITICAL SCIENCE
Professor of Political Science — First Term

JOHN BROOKS WOOSLEY, PH.D. — ECONOMICS
Professor of Economics — Second Term

ERICH WALTER ZIMMERMANN, PH.D. — ECONOMICS
Kenan Professor of Economics — First Term

ADOLPH EDUARD ZUCKER, PH.D. — GERMAN
Professor of German — Both Terms

Visiting Instructors

HELEN LOUISE BUTLER, A.M., B.S. IN L.S. — LIBRARY SCIENCE
Associate Professor of Librarianship, University of Denver — Both Terms

EDWARD PERRY CHURCHILL, PH.D. — ZOÖLOGY
Professor of Zoölogy, University of South Dakota — Second Term

WALTER WHEELER COOK, LL.M., LL.D. — LAW
Professor of Law, Northwestern University — First Term

EDMOND CYKLER, PH.D. — MUSIC
Head of the Department of Music, Los Angeles Junior College — Second Term

PHILIP DAVIDSON, PH.D. — HISTORY
Professor of History, Agnes Scott College — First Term

JACK STILES DENDY, A.M. — ZOÖLOGY
Professor of Biology, Brevard College — First Term

HENRY NELSON DEWICK, PH.D. — PSYCHOLOGY
Instructor in Psychology, University of Rochester — Second Term

IRENE MAY DOYLE, M.A., M.S. — LIBRARY SCIENCE
Associate Professor Library Science, George Peabody College for Teachers — First Term

ELMER H. GARINGER, PH.D. — EDUCATION
Principal of Central High School, Charlotte, N. C. — Second Term

WARNER ENSIGN GETTYS, PH.D. — SOCIOLOGY
Professor of Sociology, University of Texas — Both Terms

FLETCHER M. GREEN, PH.D. — HISTORY
Professor of History, Emory University — Second Term

CHARLES FREDERICK HARROLD, PH.D. — ENGLISH
Professor of English, Michigan State Normal College — First Term

SAMUEL GLENN HAWFIELD, A.M. — EDUCATION
Superintendent of Schools, Cabarrus County, N. C. — First Term

ARTHUR HOLLINGSHEAD, PH.D. — EDUCATION
Principal of High School, East Orange, N. J. — First Term

ARTHUR H. KENT, A.B., J.D. — LAW
Assistant General Counsel, United States Bureau of Internal Revenue — Second Term

CLYDE KEUTZER, PH.D. — MUSIC
Instructor in Theory and Chorus, Dalton Private School, New York City — Second Term

CHRISTIAN DAVID KUTSCHINSKI — MUSIC
Director of Music, North Carolina State College — First Term

CATHERINE McANDREWS, A.B. — PUPPETRY
Director, Good Teeth Council for Children — First Term

DOUGLAS BLOUNT MAGGS, J.D., S.J.D. — LAW
Professor of Law, Duke University — First Term

J. HARRIS MITCHELL — MUSIC
Instrumental Supervisor, Durham Public Schools, Durham, N. C. — First Term

RALPH S. NEWCOMB, PH.D. — EDUCATION
Oklahoma City, Oklahoma — First Term

LUCILE NIX, A.B., A.B. IN L.S. — LIBRARY SCIENCE
Supervisor of School Libraries, Lawson McGhee Library, Knoxville, Tennessee — Second Term

GUY BERRYMAN PHILLIPS, A.M. — EDUCATION
Superintendent of Schools, Greensboro, N. C. — First Term

THOMAS REED POWELL, LL.B., D.C.L. — LAW
Professor of Law, Harvard University — First Term

JOSHUA PAUL REYNOLDS, PH.D. — ZOÖLOGY
Assistant Professor of Biology, Birmingham Southern College — First Term

LESLIE SPELMAN, A.M., B. MUS., F.A.G.O. — MUSIC
Director of Department of Music, Meredith College — First Term

WILLIAM H. WEATHERSBY, PH.D. — EDUCATION
Professor of Education and Psychology, Mississippi College — Second Term

ELIZABETH WILSON — MUSIC
Violin Instructor, State School for the Blind, Raleigh, N. C. — First Term

PART I—GENERAL INFORMATION

The Summer Session: June 11-August 29

The University Summer Session at Chapel Hill will open on Thursday, June 11, 1936, and continue for twelve weeks, closing on Saturday, August 29. The session will be divided into two terms of six weeks each. The first term will begin on Thursday, June 11, and close on Wednesday, July 22. The second term will begin on Thursday, July 23, and close on Saturday, August 29.

Registration

For the purpose of relieving the unpleasant congestion and delay inevitable in a short period of personal registration, the student is given the option of registering by mail. Registration blanks and instructions may be had upon application any time after the publication of this catalogue. Address the Registrar, or call at Room No. 101 South Building. Students are urged to take advantage of this arrangement and avoid having to stand in line. At the same time they are urged to consider carefully what courses they wish to take, and to register correctly, so that later changes will not be necessary. Students who are in doubt about their courses should correspond at once with the instructors or the departments concerned.

The regular time for registration for the first term will be Thursday, June 11. All students of the Summer Session should be present and register on that day, as the regular class work will begin promptly at 8:00 on Friday morning, June 12. Moreover, there is an extra fee for delayed registration. For those registering June 12 or 13, the extra fee is $2.50. For those registering June 15 or 16, the extra fee is $5.00. Registration for credit will not be permitted in the first term after 5:00 o'clock Tuesday, June 16, nor in the second term after 5:00 o'clock Tuesday, July 28, except by executive permission. See Calendar.

Admission. Those may enter who meet the University's requirements for admission as set up in the regular catalogue; teachers holding regular state certificates; graduates of standard high schools; special mature students not applicants for degrees.

In case of those who meet the above requirements it is not necessary to make application for admission to the Summer Session in advance of registration. Those advanced students who are not seeking academic credit at the University of North Carolina will not be required to submit transcripts of their previous work.

Divisions of the Summer Session. The College Division (undergraduates), the Graduate School, and the Schools of Law and Pharmacy.

Credits. Three courses meeting five or six hours a week constitute a student's normal load in the summer session. A student in the Undergraduate Division may carry four courses, provided he has the approval of the Dean of the School in which he is registered. All courses carry degree credit in one or more schools of the University. The Summer Session course meeting five or six hours a week for six weeks carries a credit of 2½ or 3 quarter hours respectively or 1 2/3 or 2 semester hours respectively. (For certificate credit in North Carolina each such course carries credit for two semester hours; one meeting ten or twelve hours a week, four semester hours.)

Attendance. Absences are counted from the first meeting of each course. No unexcused absences are permitted in the Summer Session.

Standard of Work

The standard of work in courses given for University credit will be in all respects that of the corresponding courses as given during the regular session, as these courses are an integral part of the work of the University. It is the hope of the University that, by giving such courses, increased service may be rendered to the growing body of teachers in the state who have already completed college courses or done some work of college grade and who now desire while in service to improve themselves along both professional and cultural lines.

Courses of freshman and sophomore grade will not be credited as graduate work. Courses of junior and senior grade if numbered above 100 in the statement of courses (see Part II of this announcement), may be given such credit as is indicated in the regulations below. Definite information about the different credit that certain courses carry can be obtained at the time of registration.

Term Reports and Grades

After the close of each term reports of the standing of all students in all their studies are sent to the student. Records of all students desiring professional credits with the State Department of Education will be sent to that department immediately after the close of each term *provided record cards, furnished for this purpose, have been carefully filled out by such students and left in charge of the Associate Registrar.* The reports are based upon the following system of marking:

Grade A, Excellent
Grade B, Good
Grade C, Fair
Grade D, Barely passed
Grade F, Failed
*Grade I, Work incomplete

* The grade I indicates a deficiency in a certain portion of the work of a course. It may be converted into one of the other grades by completing within a period of twelve months such additional assignments as may be required by the instructor in the course. A grade of I not so converted becomes grade F.

A student must attain a grade of D to pass in any study. Students receiving grade F must repeat the study to receive any credit for the same.

Grades for each graduate course completed are reported to the Dean and to the Registrar. These grades are as follows:

"Passed," which represents satisfactory work.

"Failed," which represents work that is unsatisfactory for graduate credit.

No work falling below the standard represented by the grade of "Passed" is counted for graduate credit. If, in the judgment of the Graduate School, the quality of the work done by any student falls below the standard expected of graduate students, the registration of such a student will be canceled.

Degrees: When Conferred

Degrees are conferred at the annual commencement in June and at the close of the second term of the Summer Session. Degrees conferred at the close of the Summer Session are awarded without academic ceremony.

Admission to Undergraduate Courses

Applicants for admission to courses of freshman grade must satisfy the requirements for entrance as laid down in the University catalogue. These requirements comprise a total of 15 units selected from the subjects of English, foreign languages (ancient and modern), history, mathematics, science, and vocational subjects. For details the applicant is referred to the University catalogue.

Applicants for courses of advanced grade must furnish evidence of work of college grade completed at this or another institution.* Such evidence must consist of the official statement from the institution where the work was done, showing definitely the courses pursued and the amount of credit recorded. Admission to specific courses will be determined in each case by the department on the basis of previous preparation.

Application for admission to undergraduate courses should be sent in advance to the Dean of Admissions. This application should be accompanied by certificates of preparation, or official statements from other institutions that the applicant has attended, and a list of the courses the applicant desires to pursue. Blanks for this purpose will be furnished on request.

The Graduate School

The Summer Session offers excellent opportunities for carrying on advanced work in many fields of learning. Graduates of standard

* Advanced students not seeking credit in this institution are not required tc submit transcripts of their former records.

colleges are admitted to the Graduate School during the summer term on precisely the same basis as in the regular session. Such students may become candidates for advanced degrees or may register as special students in such courses as they desire.

Students who wish to pursue in the Summer Session courses leading to the Master's degree should bring with them when they register a transcript of their college credits. In case the student has not had sufficient training to enable him to pursue strictly graduate courses, provision may be made in the Summer Session for the making up of such deficiency.

Beginning last summer, the Graduate School and the Departments instituted a plan of curricular reorganization. Courses will be offered in cycles, following a sequence of three years. This plan, it is thought, will facilitate securing by the student logical and evenly balanced programs of study.

No student may receive credit during any one summer quarter for more than three courses in the Graduate School.

1. *Admission.* Holders of degrees from standard colleges are admitted without examination upon presentation of their credentials. *It will save time at registration if these credentials are submitted in advance of the opening of the Summer Session.*

Admission to the Graduate School is not the same as admission to candidacy for a higher degree. For admission to candidacy for a degree a student must have been in residence in the Graduate School for one quarter or two summer terms. Action on each case is postponed until the student has progressed sufficiently to make possible the planning of his course. This does not imply any increase in the length of time necessary for the attainment of the degree. It means simply that the individual record of each student, undergraduate as well as graduate, is taken into account in determining what must be done in order to secure the degree.

2. *Regulations as to Courses.* While graduate students may register for any of the courses offered by the Summer Session Faculty, no courses will count for credit towards an advanced degree unless they are classified as graduate courses in this bulletin or in the Catalogue of the Graduate School. These courses must be selected in accordance with the rules for major and minor subjects set forth in the catalogue of the Graduate School. In general, this means that two-thirds of a candidate's work during his entire period of residence (three summers being the usual time required) must be from one department, the remaining one-third being from a closely allied minor department.

3. *Requirements for the Master's degree.* For a detailed statement of the requirements for the degrees of Master of Arts and Master of Science, the student is referred to the catalogue of the Graduate School. These rules are the same in their application to

Summer Session students as in the case of students registered for the regular sessions. Students may continue their studies during the year under the direction of the special committee in charge of their work, and may do part of the work required for their theses in this manner. In certain approved cases, also, credit not to exceed six semester hours (or nine quarter hours) may be transferred for work done in another university. Every such case is treated individually and must be approved by the Administrative Board of the Graduate School, on recommendation of the department of major study, at the time application is made for admission to candidacy for a higher degree. Students who are not admitted under these special conditions will find three full summer quarters necessary for the completion of the requirements for the Master's degree.

Work taken more than five years before the date at which the master's degree is expected may not be used to count for credit toward that degree.

A reading knowledge of at least one modern foreign language is required of candidates for the master's degree. This knowledge will be tested by a special examination given by the language department, and must be certified to before the student is admitted to candidacy for the degree.

The thesis must be written in accordance with provisions stated in the Graduate Catalogue. It may count not to exceed one course. This thesis may be handed in, and the final oral and written examinations may be taken by special arrangement during the year. (See scheduled dates on the calendar.) The Master's degree is conferred at commencement in June and at the end of the second term of the Summer Session.

4. *Requirements for the Doctor's Degree.* Prospective candidates for the degree of Doctor of Philosophy are referred to the Catalogue of the Graduate School for a detailed statement of the requirements for the degree. For purposes of convenience a summary of these requirements is presented here:

1. Admission is the same as for the master's degree.
2. A minimum of three years of graduate study, at least one of which must be at the University of North Carolina.
3. A reading knowledge of French and German.
4. A major covering adequately the field of major interest and at least twenty semester hours (or thirty quarter hours) in a minor.
5. A preliminary oral examination.
6. A written examination in the field of major interest.
7. An oral examination covering the entire field of study.
8. A dissertation.

5. *Further Information.* All students who propose to do work leading to an advanced degree should read carefully the catalogue of the Graduate School, which will be sent on application to the Dean of the Graduate School.

Reports and Professional Credits

At the close of each term regular examinations will be held, and reports will be made. These reports state definitely the courses pursued and the grades attained.

Records of all students desiring professional credit with the State Department of Education will be sent to the Director of Certification immediately after the close of each term of the Summer Session, *provided record cards, furnished for this purpose by the State Department of Education, have been carefully filled out by such students and turned in to the office of the Associate Registrar.*

Teachers' Bureau

A Teachers' Bureau is maintained by the Department of Education during the Summer Session for the benefit of teachers desiring a change in position. Many applications for teachers are received each year during the Summer Session, and many superintendents visit the University for the purpose of employing well qualified teachers. In order that the management may keep closely in touch with available teachers and be enabled thereby to render prompt service to school officials applying for teachers, all well qualified applicants in attendance are invited to register with the Teachers' Bureau. Each registrant will have the services of the Teachers' Bureau for one year beginning with the date of registration. Applicants are expected to file with the Bureau photographs and typewritten testimonials or letters of recommendation.

The Library

The University Library has occupied its new building since July, 1929. It now contains more than 285,000 volumes and 3,461 periodicals are regularly received. The building houses, aside from the general collection and reading rooms, the Rural Social Economics Library, Commerce Reading Room, and the Library School. A special room is devoted to North Carolina history. A separate room is provided for the use of students doing collateral reading in material reserved for their convenience by University instructors. One hundred study carrels are provided with the bookstacks for graduate students and faculty, to which assignment is made on application.

Graham Memorial Building

Graham Memorial Building will be open to Summer Session students for social and recreational purposes.

The Gymnasium

During the Summer Session the Gymnasium will be used for the classes in physical education and for social activities conducted under the auspices of the Y. W.-M. C. A.

The Infirmary

During the Summer Session the University Infirmary will be open for the convenience of the students in attendance. The Infirmary will be under the direction of the Physician to the Summer Session, and a Registered Nurse, who with an assistant, will be constantly in attendance. There will be no extra charge for the services of the physician or of the nurse, except in cases of prolonged and serious illness necessitating a special nurse. The Summer Session Physician will be at the Infirmary two periods a day for consultation and advice. At these hours students of the Summer Session will be given the opportunity to consult the physician about any matters pertaining to their health.

Expenses for Each Term of Six Weeks

Rooms

For Women:

In several renovated and screened residence halls.....$ 7.50
In Spencer Hall, single.....$22.50 Double..... 15.00
In Graduate Woman's Club, single.. 22.50 Double..... 15.00

For Men:

In renovated and screened Battle-Vance-Pettigrew.....$ 7.50
In Graduate Men's Club..... 15.00

For Married Couples:

In renovated and screened Graham Dormitory, per room..$15.00

Other residence halls will be opened as required.

Board

At Spencer Hall, $35.00 for each term. All residents of Spencer Hall are required to take meals in the dining room. At Men's Graduate Club the requirement will be announced later. The average cost for board in Chapel Hill cafeterias, cafes, and boarding houses should be about $6.00 per week.

Other Expenses

Registration fee for each student for each term of six weeks (including privilege of University Library and Infirmary) $12.50. Course fee for each quarter-hour credit a term of six weeks, $2.25. The average number of quarter-hour credits taken by each student is about eight, making the course fees about $18.00 a term of six weeks; but these programs with their courses vary according to the desires and needs of individual students. A laundry deposit of $6.00 is required against which a charge is made for the work done. If the amount of work done is less than the deposit, the balance is refunded, except that a minimum average charge of twenty-five cents a week will be made.

Other Dormitories

Old East Building contains 39 rooms and will accommodate 75 students.

Carr Building contains 28 rooms and will accommodate 62 students. *See under School of Law.*

Old West Building contains 39 rooms and will accommodate 75 students.

Lewis and Everett Dormitories contain 56 rooms each, and will accommodate 112 students each.

Grimes, Manly, and Ruffin Dormitories contain 45 rooms each, and will accommodate 90 students each.

During the Summer Session each of the dormitories for women will be in charge of a capable hostess who will see that the University's regulations regarding the health, comfort, and safety of the students are carried out, and who will be always ready to give the young ladies such advice and assistance as they may need. All dormitory rooms are well screened.

Housing and Rooming Bureau

The "Y" office keeps accurate information on available houses, apartments, and rooms for rent in Chapel Hill. Summer students and faculty are invited to make use of this service.

Regulations Concerning Women Students

All women students of the Summer Session under 24 years of age, except residents of the Chapel Hill community who live at home, are required to live in the University dormitories.

Wherever women students of the Summer Session reside they are under the supervision of the Adviser to Women and the hostesses, and are expected to conform to the general regulations prescribed for women students.

Reservations Must Be Made in Advance

Students desiring rooms in the University buildings must have their reservations made in advance, or the management cannot guarantee to them accommodations. Each application for a reservation should be accompanied by a check for $7.50 to cover room rent for the term. *Make all checks payable to the University of North Carolina.* Application should be made to the General Cashier prior to June 1, in order that applicants may be notified before leaving home whether or not their reservations have been made as requested.

What the Student Must Furnish

Students occupying rooms in the University dormitories must furnish their own bed-linen, pillows, towels, etc. Each student who

secures a room in one of these dormitories will be expected to bring the following articles:

1 pillow.
2 pairs pillow-cases.
2 pairs of sheets (for single bed).
2 counterpanes.
6 towels.

Books and Materials

Students of the Summer Session will be expected to provide themselves with all books and materials required for their individual use in the courses pursued. Some of the texts to be used are announced in connection with the description of the various courses. Students may procure their books before coming to Chapel Hill, or they may get them here at the University Book Exchange, at the usual market prices.

Schedule

In the Summer Session schedule the day is divided into periods as follows:

MORNING HOURS

First Period	8:00 to 9:00
Second Period	9:00 to 10:00
Third Period	10:00 to 11:00
Fourth Period	11:00 to 12:00
Fifth Period	12:00 to 1:00

AFTERNOON HOURS

First Period	2:00 to 3:00
Second Period	3:00 to 4:00
Third Period	4:00 to 5:00
Fourth Period	5:00 to 6:00

A daily schedule of recitations showing the hours and places of meeting for the various classes should be secured by each student at the time of registration.

Vesper Service

The University Summer Session recognizes the daily vesper service as the official devotional period for the campus. Vesper service will be held immediately following supper each evening, except Saturday and Sunday, on the lawn under Davie poplar, or in Memorial Hall in case of rain. This service will be of fifteen minutes length, and will consist of songs, scripture reading, and prayer. Attendance is voluntary. There will be no chapel service apart from the vesper service.

Recreation and Entertainment

In addition to the regular courses of instruction scheduled in the various departments, there will be some form of recreation and entertainment provided each week during the Summer Session. Excellent

opportunities are available for those students and faculty members who wish to play golf. In addition to the 9-hole course of the Chapel Hill Country Club, 18-hole courses are available at the Hope Valley Country Club (six miles away) and at the Hillandale Club in West Durham (ten miles away). (See Part III—Special Features.)

Expenses for Each Term

Not counting the cost of such variable items of expense as board, travel, books and materials (including laboratory fees), and laundry, and excluding all other incidental and extra charges, the fixed items of expense, each term for those who live in the college dormitories are stated above.

Refund of Fees

1. Fees paid in advance for room reservation for the first term will be refunded on application up to and including June 3 but not after that date, and for the second term, up to and including July 15.
2. If for any reason, a student, after registering, finds it necessary to withdraw from the Summer Session, registration and tuition fees, on application presented within the dates specified below, will be refunded, but in strict accordance with the following regulations:
   (1) If application is made on the day of registration the amount paid, less a flat overhead charge of $2.50, will be refunded.
   (2) If application is made within a period of 4 days after class work begins, a flat overhead charge of $10.00 will be deducted from the amount paid and the remainder refunded.
   (3) After a period of 4 days from the time class work for the term begins, no refund of registration and tuition fees will be made, except in case of illness necessitating the student's withdrawal, in which case a proper adjustment will be made within a period of 10 days after class work begins, subject to executive action.
   (4) In case of a student's withdrawal from the Summer Session, proper adjustment will be made in the charges for table board, laboratory fees, and laundry fees. After necessary deductions are determined by the department concerned in each instance, appropriate refunds of any unused part of such charges or fees will be made to the student.
   (5) Extra fees paid for late registration may not be refunded for any reason except by executive action.

PART II—COURSES OFFERED

This catalogue is issued for the convenience of patrons of the Summer Session as early in the year as possible. Consequently, announcements of particular courses and instructors are not absolutely final. Furthermore, substitutions of courses may be necessary in the interest of students themselves, and, therefore, changes in the details of this catalogue may be announced later.

ASTRONOMY

s41. GENERAL ASTRONOMY. See Physics s41.

BACTERIOLOGY

s51. ELEMENTARY BACTERIOLOGY. Credit, 5 quarter hours.

First term. Professor MacPherson and Mr. Schaaf.

The fundamental principles of bacteriology are emphasized, and the student is trained in general bacteriological technique. The morphological and biological characteristics of yeasts, molds, and saprophytic bacteria are studied. The applications of bacteriology to agriculture, industry, sanitation, and disease are considered. Prerequisite, General Chemistry and one course in Biology. Hours: Lectures, 8:00 daily. Laboratory, 9:00 to 11:00 daily.

s57. COMMUNITY HYGIENE. Credit, 2½ quarter hours.

First term. Professor MacPherson.

A lecture and demonstration course designed to acquaint the general student with the sanitation of his environment, and the organization of the community for public health. History of hygiene; economics of health; bacteria and health; immunity; carriers; communicable and non-communicable diseases; relation of air, water, food, to health; community problems in mental hygiene, sex, infant and maternity welfare, and school hygiene. Hours: 11:00 daily.

BOTANY

Courses for Undergraduates

s41. GENERAL BOTANY. Credit, 6 quarter hours.

First term. Professor Couch and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 T., Th., F. Laboratory, 3:00 to 5:00 M., T., W., Th.

An introduction to the structure and classification of plants.

s43. STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 6 quarter hours.

Second term. Professor Totten and assistant. Laboratory fee, $4.00. Hours: Lectures, 11:00 daily and 2:00 F. Laboratory, 2:00 to 5:00 M., T., W., Th.

A continuation of General Botany with more advanced work in the structure and classification of seed plants. Special attention is given to the study of local flora. Prerequisite, General Botany.

Courses for Graduates and Advanced Undergraduates

s114. MORPHOLOGY AND DEVELOPMENT OF THE FUNGI. Credit, 5 quarter hours.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged with the class.

A study of the morphology of the fungi, with special attention to plant diseases, to the culture and development of the lower fungi, and to the identification of mushrooms. Prerequisite, General Botany.

s122. STRUCTURE, GROWTH, AND CLASSIFICATION OF THE LIVERWORTS. Credit, 5 or 2½ quarter hours.

First term. Professor Couch. Laboratory fee, $4.00. Hours: to be arranged with the class. Prerequisite, General Botany.

s154. ADVANCED WORK IN THE STRUCTURE AND CLASSIFICATION OF SEED PLANTS. Credit, 5 quarter hours.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged with the class.

Courses Primarily for Graduates

s254. MORPHOLOGY OF SEED PLANTS. Credit, 5 quarter hours.

Second term. Professor Totten. Laboratory fee, $4.00. Hours: to be arranged with the class.

Advanced work in the embryology and anatomy of seed plants. Conferences, reports, laboratory and field work.

s304. GRADUATE RESEARCH. Credit, 5 or 2½ quarter hours.

Each term. Professors Coker, Totten, and Couch. Laboratory fee, $4.00 a term. Hours: to be arranged with the class.

Original work with thesis under the guidance of the instructor.

CHEMISTRY

Courses for Undergraduates

s4. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Markham. Laboratory fee, $4.50. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays).

An introduction to the study of the principal non-metallic and metallic elements and their compounds.

s5. GENERAL DESCRIPTIVE CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Edmister. Laboratory fee, $4.50. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays).

s31. QUALITATIVE ANALYSIS. Credit, 6 quarter hours.

First term. Professor Dobbins. Laboratory fee, $10.00. Hours: Lectures, 2:00 daily. Laboratory, 3:00 to 6:00 daily. Prerequisite, Chemistry, 1, 2, and 3, or 4 and 5.

s41. QUANTITATIVE ANALYSIS. GRAVIMETRIC. Credit, 6 quarter hours.

Second term. Professor Markham. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Prerequisite, Chemistry 31.

s42. QUANTITATIVE ANALYSIS. VOLUMETRIC. Credit, 6 quarter hours.

First term. Professor Markham. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily. Laboratory, 2:00 to 5:00 daily. Prerequisite, Chemistry 31.

s61. ORGANIC CHEMISTRY. ALIPHATIC SERIES. Credit, 6 quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Prerequisite, Chemistry 31.

Courses for Graduates and Advanced Undergraduates

s143. THEORETICAL ANALYTICAL CHEMISTRY. Credit, 5 quarter hours.

First term. Professor Dobbins. Hours: Lectures, 10:00 to 12:00 daily. Prerequisite, Chemistry 31 and 42.

s162. ORGANIC CHEMISTRY. AROMATIC SERIES. Credit, 6 quarter hours.

Second term. Professor Williams. Laboratory fee, $10.00. Hours: Lectures, 9:00 daily (including Saturdays). Laboratory, 10:00 to 12:00 daily (including Saturdays). Prerequisite, Chemistry 61.

s163. QUALITATIVE ORGANIC ANALYSIS. Credit, 6 quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 8:00 to 10:00 daily (including Saturdays). Prerequisite, Chemistry 61 and 162.

s171. FOOD CHEMISTRY. Credit, 6 quarter hours.

Second term. Professor Williams. Laboratory fee, $10.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 2:00 to 4:00 daily (including Saturdays). Prerequisite, Chemistry 42 and 61.

s182. PHYSICAL CHEMISTRY. Credit, 6 quarter hours.

First term. Professor Crockford. Laboratory fee, $7.00. Hours: Lectures, 12:00 daily (including Saturdays). Laboratory, 2:00 to 6:00 M., W., F.

s183. PHYSICAL CHEMISTRY. Credit, 5 quarter hours.

First term. Professor Crockford. Hours: Lectures, 8:00 to 10:00 daily. Prerequisite, 81 and 182.

Courses Primarily for Graduates

s241. SEMINAR IN ANALYTICAL CHEMISTRY. Credit, 3 quarter hours.

Second term. Professor Markham. Hours: Lectures, 11:00 daily (including Saturdays). Prerequisite, Chemistry 31 and 42.

s251. HISTORY OF CHEMISTRY. Credit, 2½ quarter hours.

Second term. Professor Edmister. Hour: 10:00 daily.

s341. RESEARCH IN ANALYTICAL CHEMISTRY. Credit, 5 or more quarter hours.

Both terms. First term, Professor Dobbins; second term, Professor Markham. Laboratory fee, $10.00. Hours: by arrangement.

s361. RESEARCH IN ORGANIC CHEMISTRY. Credit, 5 or more quarter hours.

First term. Professor Bost. Laboratory fee, $10.00. Hours: by arrangement.

s381. RESEARCH IN PHYSICAL CHEMISTRY. Credit, 5 or more quarter hours.

First term. Professor Crockford. Laboratory fee, $10.00. Hours: by arrangement.

ECONOMICS AND COMMERCE

Commerce

Courses for Undergraduates

s51. BUSINESS ORGANIZATION. Credit, 5 quarter hours.

First term. Professor Schwenning. Hours: 9:00 and 11:00 daily.

The forms of business organization with emphasis on the corporation.

s71. PRINCIPLES OF ACCOUNTING. Credit, 6 quarter hours.

First term. Professor Sherrill. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays).

Lectures with laboratory work. Study of the theory of debit and credit record making, organization of accounts, and presentation of financial and profit and loss statements.

s72. PRINCIPLES OF ACCOUNTING. (Continued). Credit, 6 quarter hours.

Second term. Professor Peacock. Laboratory fee, $3.00. Hours: 2:00 to 5:00 daily (including Saturdays).

Lectures with laboratory work. The course consists of a thorough study of the organization of the accounting department of a business and its relation to the other departments, accounting systems, construction and analysis of accounting statements.

Course Primarily for Graduates

s207. FUNDAMENTALS OF MANAGEMENT. Credit, 2½ quarter hours.

First term. Professor Schwenning. Hours: to be arranged.

Economics

Courses for Undergraduates

s31. GENERAL ECONOMICS. Credit, 5 quarter hours, if followed by Economics s32 or 32.

First term. Mr. Winslow. Hours: 8:00 and 12:00 daily.

This course is planned to give a general understanding of the organization of our economic life and the fundamental principles underlying it.

s32. GENERAL ECONOMICS. (Continued). Credit, 5 quarter hours.

Second term. Professor Evans. Hours: 8:00 and 12:00 daily.

This is a continuation of Economics s31.

s35. ECONOMIC HISTORY. Credit, 5 quarter hours.

First term. Professor Buchanan. Hours: 9:00 and 11:00 daily.

A survey of the steps by which economic activities have evolved from primitive beginnings into the complicated capitalistic economy of today. Special emphasis on the development of the wage system, the Industrial Revolution, the expansion of markets, the ebb and flow of industrial activities, the relation of industrial development to political policy, as they have manifested themselves in England and in the United States.

s81. MONEY. Credit, 5 quarter hours, if followed by Economics s82 or 82.

First term. Professor Bernstein. Hours: 8:00 and 10:00 daily.

A general study of the principles, functions, and forms of money and credit, followed by analyses of current money and credit problems.

s82. BANKING. Credit, 5 quarter hours.

Second term. Professor Woosley. Hours: 8:00 and 10:00 daily.

This course is devoted to a study of the theory of commercial banking with particular respect to its application and development in the United States.

Courses for Graduates and Advanced Undergraduates

s131. ECONOMIC THEORY. Credit, 5 quarter hours.

First term. Professor Spruill. Hours: 8:00 and 10:00 daily.

The primary purpose of this course is the development of greater facility upon the part of the student in the use of economic theory as a tool in the solution of economic and business problems.

s161. THEORY OF INTERNATIONAL TRADE. Credit, 5 quarter hours.

First term. Professor Zimmermann. Hours: 9:00 and 11:00 daily.

In this course international trade is viewed from the standpoint of the political economist, emphasizing the social aspects. After an historical study of the past and a critical analysis of the present foreign commerce of the United States and principal competitors, an effort is made to apply to a survey of our foreign markets and of our foreign sources of supply the general principles of economic theory in so far as they pertain to international trade.

s191. AN INTRODUCTION TO THE LABOR PROBLEM. Credit, 5 quarter hours.

Second term. Professor Wolf. Hours: 8:00 and 10:00 daily.

The purpose of this course is to make an analytical survey of the modern labor problem in its major aspects.

s195. THEORIES OF ECONOMIC REFORM. Credit, 5 quarter hours.

First term. Professor Carroll. Hours: 9:00 and 11:00 daily.

A critical analysis of the leading proposals for reform in the present economic system.

s197. GOVERNMENT AND BUSINESS. Credit, 5 quarter hours.

Second term. Professor Hobbs. Hours: 9:00 and 11:00 daily.

This course deals with the control exercised by government over business operations. Emphasis is placed on legal control. Attention in some detail is given to trade regulations, public utilities, and the operation of the federal anti-trust laws.

Courses Primarily for Graduates

s235. ECONOMIC DEVELOPMENTS IN THE OCCIDENT. Credit, 2½ quarter hours.

First term. Professor Buchanan. Hours: to be arranged.

s253. ADVANCED ECONOMIC THEORY. Credit, 5 quarter hours.

Second term. Professor Heath. Hours: 8:00 and 10:00 daily.

A survey of economic theory from the standpoint of the evolution of modern industrial society.

s291. LABOR ECONOMICS. Credit, 2½ quarter hours.

Second term. Professor Wolf. Hours: to be arranged.

s351. ECONOMIC HISTORY AND THEORY. Credit, 2½ quarter hours.

Second term. Professor Heath. Hours: to be arranged.

s361. INTERNATIONAL ECONOMIC RELATIONS. Credit, 2½ quarter hours.
First term. Professor Zimmermann. Hours: to be arranged.

s382. COMMERCIAL AND CENTRAL BANKING. Credit, 2½ quarter hours.
Second term. Professor Woosley. Hours: to be arranged.

*EDUCATION

Courses for Undergraduates

s71ab. EDUCATIONAL PSYCHOLOGY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Bagby. Second term: Professor Jordan. Hours: Lectures, 11:00 M., T., Th., F. Laboratory, 2:00 to 3:00 M. Laboratory fee, $1.00.
To consider critically such topics as the original nature of man, heredity and environment, types of learning and factors influencing learning, individual differences, mental hygiene, mental measurement is the purpose of this course.

s98ab. GENERAL METHODS IN SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Munch. Second term: Professor Farrar. Hour: 8:00 daily.
The first half of this course deals with the aims of high school teaching and the outcomes of learning. In the second half an evaluation of the various techniques and methods of instruction commonly used in high schools is attempted.

s99ab. PRINCIPLES OF SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hour: 9:00 daily.
A study of the American high school, its evolution, organization, administration, functions, and problems. Special emphasis will be laid on the public high school in North Carolina. This course is designed especially to meet the needs of those students who are looking toward teaching positions and principalships in secondary schools.

Courses for Graduates and Advanced Undergraduates

s101ab. INTRODUCTION TO SCHOOL ADMINISTRATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Phillips. Second term: Mr. Newcomb. Hour: 9:00 daily.
This course will consider the most important problems of school administration, especially as these problems bear on the success of the teacher's work. Students without teaching experience, or teachers without a knowledge of administrative problems, should not register for the more specialized courses in the field of administration until after completing this course.

s105. GUIDANCE AND ADMINISTRATION OF PUPILS. Credit, 5 quarter hours.
First term. Professor Morrison. Hours: 11:00 to 1:00 daily.

---

* Demonstration School—Through the University High School students of education will be afforded opportunities for observation and demonstration of the relation of educational theory and practice. Sons and daughters of Summer Session students will be welcomed as pupils in the Demonstration School.
A course in Hand Puppetry (see Special Features—Part III) is offered.

This course undertakes not only to acquaint the student with the extensive literature of scientific research in pupil personnel work, but also to develop through actual handling of individual records, reports, and materials as many as possible of the important skills required of the principal in the classification and promotion of pupils, in program making, in organization of pupils' activities, in student government, in athletics, etc.

s142. HISTORICAL FOUNDATIONS OF MODERN EDUCATION. Credit, 5 quarter hours.

Second term. Professor Weathersby. Hours: 11:00 to 1:00 daily.

This course traces the development of some of the more important educational problems of modern times as they have been affected by the social, economic, and political facts of history.

s152. SUPERVISION OF INSTRUCTION IN ELEMENTARY LANGUAGE ARTS. Credit, 5 quarter hours.

First term. Mr. Hawfield. Hours: 10:00 to 12:00 daily.

Oral and written expression, spelling, penmanship, and grammar will be considered during the first half of this course. Reading and children's literature will be discussed during the second half of the course. The techniques and procedures available for improving the quality of instruction in these fields will be given primary attention.

s154. SUPERVISION OF INSTRUCTION IN THE SOCIAL STUDIES. Credit, 5 quarter hours.

Second term. Professor King. Hours: 10:00 to 12:00 daily.

The problems of supervising elementary school teachers of history, geography, and citizenship will be discussed in this course.

s155. SUPERVISION OF INSTRUCTION IN THE NATURAL SCIENCES. Credit, 5 quarter hours.

First term. Professor Preston. Hours: 10:00 to 12:00 daily.

Nature study and elementary science, including physical geography, will be considered in this course.

s161ab. PROJECT ACTIVITIES IN THE ELEMENTARY GRADES. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Hawfield. Second term: Professor McKee. Hour: 2:00 daily.

An attempt will be made in this course to develop criteria by which children's educational activities should be evaluated, the means by which they should be tested, and the principles governing procedures in activity work.

s162. TEACHING PUPILS HOW TO STUDY. Credit, 5 quarter hours

Second term. Professor McKee. Hours: 9:00 to 11:00 daily.

The physical and environmental factors that condition effective study, the necessary preliminary preparations for study, techniques for discovering a pupil's present study habits in each subject-matter field, the evaluation and improvement of study habits, and techniques for the supervision of practice and growth in each type of study will be conducted.

s171ab. THE PSYCHOLOGY OF CHILDHOOD AND YOUTH. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor ..... Second term: Professor Jordan. Hour: 9:00 daily. Prerequisite, one course in General Psychology or Educational Psychology.

An intensive study of the physical, intellectual, and emotional changes characteristic of childhood and youth. Special emphasis is placed on the consideration of adolescent interests in their relation to instruction.

s179a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC. Credit, 2½ quarter hours.

First term. Mr. Kutschinski. Hour: 10:00 daily.

Supplementing the class instruction in band and orchestral instruments, this course is designed to give the student the necessary preparation for organizing and teaching instrumental music. Discussions and comparative study of materials and methods.

s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC. Credit, 2½ quarter hours.

Second term. Mr. Keutzer. Hour: 10:00 daily.

The principles and practice of choral singing with a survey of music materials suitable for school, college, and church choirs.

s181. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL ENGLISH. Credit, 5 quarter hours.

Second term. Professor Farrar. Hours: 11:00 to 1:00 daily.

This course is designed to give practical preparation for the teaching of English in high schools. It includes consideration of the aims, courses of study, and methods found most effective in the teaching of grammar, composition (oral and written), and the different types of literature to pupils of high school age.

s183. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL FRENCH. Credit, 5 quarter hours.

First term. Professor Giduz. Hours: 11:00 to 1:00 daily.

In this course the student studies the development of modern language teaching. Particular stress is laid on present-day tendencies, more especially in connection with pronunciation, phonetics, reading, "realia," activities, texts, etc. Weekly reports on readings. Term paper.

s185. MATERIALS AND METHODS OF TEACHING THE SOCIAL STUDIES. Credit, 5 quarter hours.

Second term. Professor King and assistants. Hours: to be arranged.

The aims, functions, and objectives of the social studies will be carefully analyzed, and the history of their place in the American secondary school will be examined. Special attention will be given this summer to the materials and methods of teaching government. The Institute of Government will coöperate in the conduct of the course.

s189. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL MATHEMATICS. Credit, 5 quarter hours.

First term. Professor Munch. Hours: 11:00 to 1:00 daily.

A course designed to give those preparing to teach mathematics in high school a comprehensive view of that field. It is composed of six units as follows: history of mathematics, objectives of mathematics teaching, materials, methods, the psychology of mathematics teaching, and measuring in the field of mathematics.

s191. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL SCIENCE. Credit, 2½ to 5 quarter hours.

First term. Professor Preston. Hours: 8:00 to 10:00 daily.

Knowledge of science content is assumed. This course considers the objectives and curriculum position of secondary school science, the proper teaching viewpoint, and instruction techniques. Assigned readings introduce the important literature.

s194. MEASUREMENTS IN SECONDARY EDUCATION. Credit, 5 quarter hours.

First term. Professor ..... Hours: 10:00 to 12:00 daily. Prerequisite, one course in General Psychology or Educational Psychology.

A critical examination of the tests suitable for measuring the educational outcomes of the high school. Some attention will be paid to the use of tests in vocational guidance and to the measurements of character traits.

s196. THE HIGH SCHOOL PRINCIPALSHIP. Credit, 5 quarter hours.

First term. Mr. Hollingshead. Hours: 8:00 to 10:00 daily.

This course considers the duties, qualifications, and activities of the principal of a secondary school. Lectures, readings, discussions, investigations, and reports.

s197. SOCIAL POLICY AND EDUCATION. Credit, 5 quarter hours.

Second term. Professor ..... Hours: 11:00 to 1:00 daily.

Fundamental problems in the social and ethical theory of education. Lectures, prescribed readings, essays, and reports. This course deals with problems of social problems from the standpoint of education, attempts to define a social policy for education, and discusses the vital educational issues involved in that policy.

Courses Primarily for Graduates

s201ab. PROCEDURES IN EDUCATIONAL RESEARCH. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Morrison. Second term: Mr. Newcomb. Hour: 8:00 daily.

This course, for graduate students only, will be required of all candidates for higher degrees in the fields of educational administration and elementary education. Through the examination of selected examples of published research, members of the class will study the methods and techniques to be used in discovering, defining, and analyzing problems for investigation; in locating, gathering, and interpreting data; and in formulating and testing conclusions.

s203. TECHNIQUES IN EDUCATIONAL LEADERSHIP. Credit, 5 quarter hours.

First term. Mr. Phillips. Hours: 11:00 to 1:00 daily.

This course undertakes to discover and to develop skill in the techniques by which communities and their representatives may be led to work effectively for better schools. The course also deals with the problems of leading teachers, supervisors, and administrative officers into more effective professional activities. The use of school reports, public meetings, newspapers, campaigns, surveys, associations, school programs, and other devices will be studied with a view to determining the most effective procedures to use in accomplishing specific results.

s211. PROBLEMS OF INSTRUCTION AND ADMINISTRATION IN HIGHER EDUCATIONAL INSTITUTIONS. Credit, 2½ quarter hours.

First term. Members of the staff and visiting lecturers. Hours: to be arranged.

In this course an examination will be made of certain basic conceptions which underlie and bear upon higher education. Particular attention will be given to the curriculum and to problems of instruction and administration.

s272ab. PROBLEMS IN EDUCATIONAL PSYCHOLOGY. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor ..... Second term: Professor Jordan. Hours: 2:00 to 4:00 M. and W. Prerequisite, a course in General Psychology and one course in Educational Psychology.

Treats intensively of the learning process in its relation to the acquisition and retention of information, feelings, skills, and attitudes.

s299ab. PRINCIPLES OF SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hours: 2:00 to 4:00 T. and Th.

A systematic course for graduate students, intended primarily for those who have not had Education 99. This course will embrace a study of the American high school, its evolution, organization, administration, functions, and problems. It is designed primarily for high school principals and graduate students who are looking forward to high school principalships.

s303ab. PROBLEMS IN EDUCATIONAL ADMINISTRATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Mr. Hollingshead. Second term: Mr. Newcomb. Hours: to be arranged. Prerequisite, Education s101, or its equivalent, and one other course in educational administration.

A graduate course offering opportunity for intensive study and research on selected problems in the field of educational administration. The problems will be selected by the class each year, making it possible for the student to take this course more than once.

s341ab. FOUNDATIONS OF MODERN EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Knight. Second term: Professor Weathersby. Hours: to be arranged.

This is a research course in modern educational practices and institutions and is open only to those advanced students who have had Education 142, or Education 143, or the equivalent. Various educational agencies will be studied through investigations, reports, and conferences.

s375ab. THESIS COURSE. Credit, 2½ quarter hours each term.

Through both terms. Professor Trabue and others. Hours: to be arranged.

This is a course in which there will be taken up such work as is necessary for each student in connection with the writing of his degree thesis. It is intended for those students whose graduate major is in education, but students whose thesis topics are closely related to education are invited to attend and to take part in the discussion.

s398ab. PROBLEMS IN SECONDARY EDUCATION. Credit, 2½ quarter hours each term.

Through both terms. First term: Professor Gwynn. Second term: Mr. Garinger. Hours: to be arranged.

This double course is intended for advanced students and is primarily a course in investigation. To be admitted to it, a student must have pursued other courses in secondary education. At the beginning of the course each student is required to select some one problem for special investigation. A thesis will be required of each student.

Note: The attention of students in Education is called to Psychology s140, PSYCHOLOGY OF PERSONALITY; Sociology s175, EXTRA-CURRICULAR ACTIVITIES; and French s55, REVIEW OF GRAMMAR AND SYNTAX.

ENGLISH

Courses for Undergraduates

s3. ENGLISH COMPOSITION. Credit, 3 quarter hours.

First term. Mr. Wilson. Hour: 9:00 daily (including Saturdays).

Final quarter of freshman English. Themes, personal conferences, study of essay, directed readings.

*s21. ENGLISH LITERATURE. Credit, 5 quarter hours.

First term. Professor Bailey. Prerequisite, English 1, 2, 3. Hours: 9:00 and 11:00 daily.

Study of important, significant literary productions chronologically considered.

s22. ENGLISH LITERATURE. (Continued). Credit, 5 quarter hours.

Second term. Professor Harry Russell. Hours: 9:00 and 11:00 daily.

s44. PUBLIC SPEAKING: INTRODUCTORY COURSE. Credit, 5 quarter hours.

First term. Professor Olsen. Hours: 9:00 and 11:00 daily.

Emphasis on organization, outlines, delivery, problems of attention and persuasion; collateral readings on contemporary public problems.

s50ab. SHAKESPEARE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Thrall. Second term: Professor Harry Russell. Hour: 8:00 daily.

About twenty representative comedies, tragedies, and histories will be studied.

s53. CREATIVE WRITING. Credit, 5 quarter hours.

First term. Professor Phillips Russell. Hours: 12:00 daily, 4:00-6:00 Tuesday and Thursday.

Study of and practice in various forms of original writing.

s67a. PLAY PRODUCTION FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Selden. Fee for materials: $1.00. Hour: 2:00 daily.

An intensive course for teachers and directors in schools, colleges, and community theatres. The problems to be considered include the organization of dramatic groups and courses, the choice of plays, and the theory and practice of acting and directing. Students enrolled in this course will have an opportunity to take part in the preparation of The Carolina Playmakers' summer production.

s68a. STAGING METHODS FOR TEACHERS AND DIRECTORS. Credit, 2½ quarter hours.

First term. Professor Selden. Fee for materials: $2.00. Hour: 10:00 daily.

An intensive course in the planning and equipping of school, college, and community theatre stages, and in the designing, constructing, painting, and lighting of scenery. Students enrolled in this course will be expected to assist with the preparation of The Carolina Playmakers' summer production.

s82ab. AMERICAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Bailey. Second term: Professor Adams. Hour: 12:00 daily.

A survey of American literature from Whitman to the present with special emphasis upon the literature of the South. The course includes a study of the local color movement, traces the rise of realism, and surveys the social novel after 1880.

s89ab. VICTORIAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Harrold. Second term: Professor Booker. Hour: 10:00 daily.

First term, a survey of Late Victorian prose with special attention to Rus-

* English s21 and s22 together constitute the whole of Sophomore English as given in the regular session.

kin, Arnold, George Eliot, and George Meredith. Second term, a survey of Late Victorian poetry with special attention to Rossetti, Morris, and Swinburne.

s100a. DIRECTED READINGS. Credit, 2½ quarter hours.

First term. Professor Olsen. Hours: to be arranged.

Open to advanced students in any department who desire to read in the field of their literary interests. Special topics, oral and written reports.

Courses for Graduates and Advanced Undergraduates

s101. OLD ENGLISH: INTRODUCTORY COURSE. Credit, 5 quarter hours.

Second term. Professor Ericson. Hours: 9:00 and 11:00 daily.

A study of Old English grammar and syntax with reading of prose.

s103. CHAUCER. Credit, 5 quarter hours.

First term. Professor Ericson. Hours: 8:00 and 10:00 daily.

s105a. MEDIEVAL ROMANCE IN ENGLISH. Credit, 2½ quarter hours.

First term. Professor Thrall. Hour: 9:00 daily.

A survey of the medieval romance and romance materials in early English literature. The origin and development of the Arthurian legend. Collateral reading in early Irish and Welsh romantic literature (in translation), Malory's *Le Morte d'Arthur* and its influence on later English literature.

s110a. BACON AND HIS TIMES. Credit, 2½ quarter hours.

Second term. Professor Howell. Hour: 12:00 daily.

A study of the work of Bacon and other seventeenth century prose writers with emphasis on their educational, social, and political theories and the rise of the modern scientific method.

s113. ENGLISH DRAMA, 1500-1600. Credit, 5 quarter hours.

Second term. Professor Sharpe. Hours: 8:00 and 10:00 daily.

English Drama in the Sixteenth Century with preliminary consideration of the religious drama in Western Europe and in Medieval England.

s131b. ENGLISH LITERATURE, 1744-1798. Credit, 2½ quarter hours.

Second term. Professor Hudson. Hour: 8:00 daily.

Pre-romantic aspects of English literature of the latter half of the eighteenth century, with special attention to Collins, Gray, Cowper, Crabbe, and Burns.

s141b. ENGLISH LITERATURE, 1780-1830. Credit, 2½ quarter hours.

Second term. Professor Hudson. Hour: 9:00 daily.

The Romantic Movement, latter phase—Byron, Shelley, Keats, and their contemporaries of the younger generation of Romanticists.

s153ab. LITERATURE OF THE SOUTH. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Paine. Second term: Professor Adams. Hour: 11:00 daily.

A course in the literature of the South since 1800, with particular emphasis on the novels, local color stories, and periodicals.

Courses Primarily for Graduates

s243a. VICTORIAN LITERATURE. Credit, 2½ quarter hours.

First term. Professor Harrold. Hour: 12:00 daily.

The social and religious literature of the early Victorian writers: Carlyle and the humanitarian novelists, Tennyson, and Browning.

s320ab. SEMINAR: STUDIES IN VICTORIAN LITERATURE. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Harrold. Second term: Professor Booker. Hours: 4:00-6:00 Monday and Thursday.

s331ab. BIBLIOGRAPHY AND METHODOLOGY. Credit, 2½ or 5 quarter hours.

Through both terms. First term: Professor Paine. Second term: Professor Howell. Hour: 10:00 daily.

A course designed to aid students in preparing term papers, theses, and dissertations. The bibliographical guides for the study of English are presented, the problems of literary research are discussed, and the standard procedures and forms in writing scholarly papers are taught.

s341ab. SPECIAL RESEARCH. Credit, 2½ or 5 quarter hours.

Through both terms. Hours: to be arranged with individual instructors.

The research under this number varies from year to year, depending upon the special interest of the graduate staff. In the first term of 1936, Professor Harrold will direct individual or group research in Victorian literature, Professor Ericson will direct individual or group studies in the field of old English and the history of the English language, Professor Paine in American literature, and Professor Thrall in Renaissance literature; in the second term, Professor Adams in American literature, Professor Howell in Seventeenth Century literature, Professor Hudson in Romanticism and the English Ballad, and Professor Sharpe in Renaissance literature.

GENERAL AND COMPARATIVE LITERATURE

s61. CLASSICAL LITERATURE. Credit, 2½ quarter hours.

First term. Professor Bernard. Hour: 12:00 daily.

A study of the masterpieces of Greek and Latin literature in English translation with special reference to the contribution of ancient civilization to modern thought.

s105a. MEDIEVAL ROMANCE IN ENGLISH. Credit, 2½ quarter hours. (See ENGLISH.)

First term. Professor Thrall. Hour: 9:00 daily.

A survey of the medieval romance and romance materials in early English literature. The origin and development of the Arthurian legend. Collateral reading in early Irish and Welsh romantic literature (in translation), Malory's *Le Morte d'Arthur* and its influence on later English literature.

s155. GREEK DRAMATIC LITERATURE. Credit, 5 quarter hours.

First term. Professor Bernard. Hours: 9:00 to 11:00 daily.

A course designed to embrace the origin, development, technique, and content of Greek drama, with emphasis on tragedy. An interpretation of Greek life and thought as contributing to world progress.

NOTE: The attention of students in Classics, English, and Romance Languages is called to GERMAN s131. HISTORY OF HUMAN SPEECH.

GEOLOGY

Courses for Undergraduates

s42 (old s12). HISTORICAL GEOLOGY. Credit, 6 quarter hours.

Second term. Professor Huddle. Laboratory fee, $3.00. Hours: Lectures, 8:00 daily (including Saturdays). Laboratory, 2:00 to 5:00 four days a week.

s48-49. SUMMER FIELD COURSE IN GEOLOGY. Credit, 10 quarter hours.

First term. Prerequisite, "Introductory Geology." A six weeks' course to be given in North Carolina and bordering states. In this course Economic, Structural and Stratigraphic Geology, and Geologic Mapping will be emphasized. Professor Prouty and assistant. For details, write the Department of Geology.

s51. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Emory. Lectures, 9:00 daily. Ten laboratory hours to be arranged.

s57. GEOGRAPHY OF NORTH AMERICA. Credit, 5 quarter hours.

First term. Professor MacCarthy. Lectures, 11:00 daily. Ten laboratory hours to be arranged.

Courses for Graduates and Advanced Undergraduates

s141. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

s142. ADVANCED WORK IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Huddle and Professor Emory. Hours: to be arranged.

s191. ADVANCED FIELD WORK OR LABORATORY WORK IN GEOPHYSICS. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

Courses for Graduates

s304. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

First term. Professor MacCarthy. Hours: to be arranged.

s305. SPECIAL RESEARCH IN GEOLOGY AND GEOGRAPHY. Credit, 5 quarter hours.

Second term. Professor Huddle and Professor Emory. Hours: to be arranged.

GERMAN

Courses for Undergraduates

s1. ELEMENTARY COURSE. Credit, 1 unit entrance. If followed by s2 will admit to German 11.

First term. Mr. Coenen. Hours: 8:00 and 12:00 daily.
Grammar; written and oral exercises; sight reading.

s2. ELEMENTARY COURSE. Credit, 1 unit entrance. Completion of this course admits to German 11.
Second term. Mr. Lloyd. Hours: 8:00 and 12:00 daily.
Continuation of s1.

s3. INTERMEDIATE COURSE. Credit, 5 quarter hours. If followed by s4 it forms the equivalent of German 11-12-13 of the regular session.
First term. Professor Metzenthin. Hours: 8:00 and 10:00 daily.
Review of grammar and rapid reading.

s4. INTERMEDIATE COURSE. Credit, 5 quarter hours. Admits to German 21.
Second term. Dr. Friederich. Hours: 8:00 and 10:00 daily.
Continuation of s3.

s21. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. If followed by s22 it forms the equivalent of German 21-22-23 of the regular session.
First term: Professor Zucker. Hours: 9:00 and 12:00 daily.
German literature through the classical period.

s22. INTRODUCTION TO GERMAN LITERATURE. Credit, 5 quarter hours. With s21 it forms the equivalent of German 21-22-23.
Second term. Professor Zucker. Hours: 9:00 and 12:00 daily.
German literature of the nineteenth century.

s51. GERMAN CONVERSATION AND COMPOSITION. Credit, 5 quarter hours.
Through both terms. First term: Mr. Coenen. Second term: Mr. Lloyd. Hour: 9:00 daily.

Courses for Graduates and Advanced Undergraduates

s131. HISTORY OF HUMAN SPEECH. Credit, 2½ quarter hours.
First term. Professor Metzenthin. Hours: 4:30-6:00 Mon., Wed., Fri.
Problems and theories about the origin of speech and about "primitive" languages. Classification, development, and peculiarities of the main groups of languages, especially the Mongolian, Semitic, classical and modern European languages.

s141. LESSING AND HIS TIME. Prerequisite, German 21-22-23. Credit, 2½ quarter hours.
Second term. Dr. Friederich. Hour: 11:00 daily.

Courses Primarily for Graduates

s261. MODERN GERMAN LITERATURE. Credit, 2½ or 5 quarter hours.
Through both terms. Professor Zucker. Hour: 8:00 daily.
From Hauptmann down to the present.

s395. RESEARCH. Credit, 5 quarter hours.
Through both terms. Professor Zucker.
Research in a special field.

HISTORY

Courses for Undergraduates

s2. SOCIAL SCIENCE. Credit, 3 quarter hours.
First term. Professor Johnson. Hour: 8:00 daily (including Saturdays).
A survey of the chief factors in Western Civilization from the American and French Revolutions to the eve of the World War, designed to throw light on the institutions, ideas, and problems of the present.

s3. SOCIAL SCIENCE. Credit, 3 quarter hours.

Second term. Mr. Meade. Hour: 8:00 daily (including Saturdays).

A continuation of s2, Social Science, concerned with the more important institutions, problems, and ideals of contemporary life.

s47. HISTORY OF THE UNITED STATES TO 1860. Credit, 5 quarter hours.

First term. Professor Johnson. Hours: 10:00 to 12:00 daily.

A general survey of the history of the United States from the beginning to the Civil War. Lectures, textbook, and readings.

s48. HISTORY OF THE UNITED STATES SINCE 1860. Credit, 5 quarter hours.

Second term. Mr. Meade. Hours: 10:00 to 12:00 daily.

A general survey of the history of the United States since 1860. Lectures, textbook, and readings.

Courses for Graduates and Advanced Undergraduates

s101d. PERIOD STUDIES IN GREEK HISTORY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hour: 9:00 daily.

A study of the sources, literature, and history of the Fourth Century, B.C., with special attention to economic conditions.

s102d. PERIOD STUDIES IN ROMAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hour: 8:00 daily.

A study of the sources, literature, and history of the age of the Flavians and Antonines.

s122a. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES, 500-1100. Credit, 2½ quarter hours.

Second term. Professor Russell. Hour: 8:00 daily.

A study of the social and economic life of the clergy, nobility, city folk, and peasantry during the period.

s122b. SOCIAL-ECONOMIC HISTORY OF THE MIDDLE AGES, 1100-1400. Credit, 2½ quarter hours.

Second term. Professor Russell. Hour: 9:00 daily.

A study of the social and economic life of the clergy, nobility, city folk, and peasantry during the period.

s133. THE FRENCH REVOLUTION. Credit, 5 quarter hours.

First term. Professor Pegg. Hours: 11:00 to 1:00 daily.

This course is concerned with the Enlightenment, its ideals, and the age of the French Revolution.

s137. ENGLAND IN THE NINETEENTH CENTURY. Credit, 5 quarter hours.

Second term. Professor Wagstaff. Hours: 11:00 to 1:00 daily.

This course develops England's national and imperial story from 1815 to 1915, its international relations, and its contributions to the history of the age.

s149. THE AMERICAN COLONIES, 1606-1689. Credit, 5 quarter hours.

First term. Professor Davidson. Hours: 11:00 to 1:00 daily.

A survey of European backgrounds and a study of the founding of England's continental colonies; their political, social, and economic development; and their relations to each other and to the British Empire.

s151a. THE CONFEDERATION AND THE CONSTITUTION, 1783-1789. Credit, 2½ quarter hours.

First term. Professor Newsome. Hour: 9:00 daily.

An intensive study of the history of the United States under the Articles of Confederation and of the framing and ratification of the Federal Constitution.

s154. THE RECONSTRUCTION PERIOD. Credit, 5 quarter hours.

Second term. Professor Green. Hours: 8:00 to 10:00 daily.

A course dealing with the constitutional, political, social, and economic aspects of the United States from the close of the Civil War in 1865 to the restoration of home rule in the South in 1877.

s155. RECENT AMERICAN HISTORY, 1876-1898. Credit, 5 quarter hours.

Second term. Professor Pierson. Hours: 10:00 to 12:00 daily.

An intensive study of the history of the United States from the close of Reconstruction through the Spanish-American war.

s162a. NORTH CAROLINA, 1789-1861. Credit, 2½ quarter hours.

First term. Professor Newsome. Hour: 8:00 daily.

A survey of political, economic, social, and cultural development in North Carolina from its entrance into the Federal Union until its secession in 1861.

Courses Primarily for Graduates

s201a. HISTORIOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Caldwell. Hours: to be arranged.

A study of methods of research and the schools of historical interpretation.

s201b. AMERICAN HISTORIOGRAPHY. Credit, 2½ quarter hours.

Second term. Professor Green. Hours: to be arranged.

A study of the history and bibliography of American history.

s220a. PRELIMINARIES OF THE AMERICAN REVOLUTION. Credit, 2½ quarter hours.

First term. Professor Davidson. Hour: 10:00 daily.

A study of the background and causes of the American Revolution.

s311. SEMINAR IN MEDIEVAL EUROPEAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Russell. Hours: to be arranged.

s321. SEMINAR IN MODERN EUROPEAN HISTORY. Credit, 2½ quarter hours.

First term. Professor Pegg. Hours: to be arranged.

s331. SEMINAR IN AMERICAN HISTORY. Credit, 2½ quarter hours.

Second term. Professor Pierson. Hours: to be arranged.

s333. SEMINAR IN U. S. HISTORY, 1783-1860. Credit, 2½ quarter hours.

First term. Professor Newsome. Hours: to be arranged.

LATIN

Courses for Undergraduates

s55. VERGIL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 11:00 daily.

The course will deal with the material used in the High School, and is intended to afford opportunity for review and for a study of the structure and meaning of the *Aeneid* as a whole.

Note: The Department is prepared to offer a course, or courses, in Freshman and Sophomore Latin if there is sufficient demand.

Courses for Graduates and Advanced Undergraduates

s102. ROMAN DRAMATIC LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 8:00 daily.

A study of the development of Roman comedy and tragedy. Readings from selected plays.

s105. THE ROMAN NOVEL. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 8:00 daily.

The history of the Roman novel, with special emphasis on the work of Petronius and Apuleius.

s153. CAESAR. Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 12:00 daily.

The course will deal with readings from Caesar's Gallic and Civil Wars, and with the politics and history of the period.

Courses Primarily for Graduates

s203. LATIN PALAEOGRAPHY. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 9:00 daily.

The course will be largely concerned with a study of the Roman and Mediaeval forms of writing by which the works of Roman authors have been transmitted.

s209. ROMAN EPISTOLARY LITERATURE. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 11:00 daily.

Readings from the published letters of leading Romans, Cicero, Seneca, Pliny, and study of the letter as a literary form.

s301. LATIN SEMINAR. Credit, 2½ quarter hours.

First term. Professor Harrer. Hour: 10:00 daily.

The course is designed for students working for an advanced degree. Its subject will be the critical study of an author, or of a literary type, e.g., Cicero.

s303. LATIN SEMINAR. Credit, 2½ quarter hours.

Second term. Professor Dewing. Hour: 9:00 daily.

The course is designed for students working for an advanced degree. Its subject will be the critical study of an author; e.g., Tacitus, or Juvenal.

s310. THESIS COURSE. Credit, 2½ quarter hours.

First term. Professor Harrer. By appointment.

Work on special topics, and with individual conferences. The work carries credit only in connection with the completed thesis.

Note: Courses in Ancient History regularly make an approved minor for an advanced degree in Latin, and may, by permission, be counted as part of the major. See, under History, Nos. 101d, and 102d.

SCHOOL OF LAW

CONSTITUTIONAL LAW. Credit, 2½ semester hours.
First term. Professor Powell. Hour: to be arranged.

CONFLICT OF LAWS. Credit, 2½ semester hours.
First term. Professor Cook. Hour: to be arranged.

TORTS. Credit, 2½ semester hours.
First term. Professor Maggs. Hour: to be arranged.

CONTRACTS. Credit, 2½ semester hours.
First term. Professor Mulder. Hour: to be arranged.

TAXATION. Credit, 2½ semester hours.
Second term. Professor Kent. Hour: to be arranged.

FEDERAL PROCEDURE. Credit, 2½ semester hours.
Second term. Professor Chadbourn. Hour: to be arranged.

AGENCY. Credit, 2½ semester hours.
Second term. Professor Breckenridge. Hour: to be arranged.

DOMESTIC RELATIONS. Credit, 2½ semester hours.
Second term. Professor Hanft. Hour: to be arranged.

The first two courses named each term are for advanced students; the second two are primarily for beginning students. The latter statement is wholly true of Contracts and Torts during the first term.

Separate credit may be obtained for the work of each term. Credit for two and one-half semester hours will be given for each subject completed each term. All classes meet daily, from Monday to Friday, inclusive, for one hour and twenty minute periods each. Two courses constitute the maximum load for which a student may register. Attendance throughout the entire Summer Session enables the successful student to obtain credit equivalent to one-third of a regular year's work.

Requirements for Admission. For students beginning the study of law, the completion of the first three years of work required for an academic degree in an accredited college. For advanced students, good standing at a member school of the Association of American Law Schools.

Fees. Residents of North Carolina, $40.00 for one term, $75.00 for both terms; non-residents, $55.00 for one term, $100.00 for both terms. Room rent in Carr Building, reserved exclusively for the use of law students, is $15.00 for each occupant of a double room, for each term of the Summer Session.

The School of Law of the University of North Carolina is approved by the American Bar Association, and is a member of the Association of American Law Schools.

LIBRARY SCIENCE

s101ab. CATALOGING AND CLASSIFICATION. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Doyle. Second term: Professor Akers. Hour: 8:00 daily.

s102ab. CATALOGING AND CLASSIFICATION. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Doyle. Second term: Professor Akers. Hour: 11:00 daily.

s111ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Kelling. Second term: Miss Nix. Hour: 10:00 daily.

s112ab. REFERENCE AND BIBLIOGRAPHY. Credit, 2½ or 5 quarter hours.

Both terms. First term: Professor Kelling. Second term: Miss Nix. Hour: 9:00 daily.

s121ab. PRINCIPLES OF BOOK SELECTION. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 9:00 daily.

s122ab. BOOK SELECTION FOR HIGH SCHOOL LIBRARIES. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 8:00 daily.

s124ab. BOOK SELECTION FOR COLLEGE LIBRARIES. Credit, 2½ or 5 quarter hours.

Both terms. Miss Butler. Hour: 12:00 daily.

MATHEMATICS

Courses for Undergraduates

s1. COLLEGE ALGEBRA. Credit, 5 quarter hours.
First term. Professor Winsor. Hours: 10:00 and 12:00 daily.

s2. PLANE TRIGONOMETRY. Credit, 5 quarter hours.
Second term. Professor Linker. Hours: 10:00 and 12:00 daily.

s13. ANALYTIC GEOMETRY. Credit, 5 quarter hours.
First term. Professor Mackie. Hours: 9:00 and 11:00 daily.

s24. DIFFERENTIAL CALCULUS. Credit, 5 quarter hours.
First term. Professor Browne. Hours: 9:00 and 11:00 daily.

s25. INTEGRAL CALCULUS. Credit, 5 quarter hours.
Second term. Professor Hoyle. Hours: 9:00 and 11:00 daily.

Courses for Graduates and Advanced Undergraduates

s104. INTRODUCTION TO ADVANCED ALGEBRA. Credit, 2½ quarter hours.

First term. Professor Winsor. Hour: 9:00 daily.

s141. DIFFERENTIAL EQUATIONS. Credit, 5 quarter hours.

Through both terms. First term: Professor Henderson. Second term: Professor Linker. Hour: 9:00 daily.

A study of differential equations and their applications to selected problems in both pure and applied mathematics.

s151. PROJECTIVE HOMOGENEOUS COÖRDINATES AND THEIR APPLICATIONS. Credit, 5 quarter hours.

Second term. Professor Lasley. Hours: 9:00 and 11:00 daily.

A study of the general homogeneous coördinates of forms of one, two, three, and four dimensions; cross ratio and its properties; ideal elements; duality; projective correspondence; transformation of coördinates; the elements of line geometry.

s161. ANALYTIC GEOMETRY OF SPACE. Credit, 5 quarter hours.

First term. Professor Henderson. Hours: 8:00 and 10:00 daily.

Quadric surfaces, quadriplanar and tetrahedral coördinates, space curves, curvature, etc.

s171. ADVANCED CALCULUS. Credit, 5 quarter hours.

Through both terms. First term: Professor Mackie. Second term: Professor Hoyle. Hour: 12:00 daily.

This course furnishes a background for the further study of analysis. Its chief purpose is rigor in demonstration.

Courses Primarily for Graduates

s236. HIGHER PLANE CURVES. Credit, 2½ quarter hours.

Second term. Professor Lasley. Hour: 12:00 daily.

s246. MODERN HIGHER ALGEBRA. Credit, 2½ quarter hours.

First term. Professor Browne. Hour: 12:00 daily.

Polynomials and their fundamental properties, determinants, theory of linear dependence, linear equations, matrices, invariants, bilinear and quadratic forms.

MUSIC

Courses for Undergraduates

s4. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.

Each term. First term: Professor Slocum and assistant. Second term: Mr. Keutzer and assistant. Hours: 8:00 and 1 additional hour daily to be arranged.

A course in the rudiments of musical notation with practice in reading and writing scales, intervals, melodies, and elementary harmonic materials. No prerequisite or previous training is necessary, but previous musical experience will obviously be of great value to the student. Ten hours a week distributed on the basis of two hours lecture and eight hours laboratory practice.

*s5. MUSICAL NOTATION, SIGHT-SINGING, AND DICTATION. Credit, 3 quarter hours.

Second term. Mr. Keutzer. Hours: 8:00 and 1 additional hour daily to be arranged.

Continuation of s4.

s14. HARMONY. Credit, 2½ quarter hours.

Each term. First term: Professor Haydon. Second term: Professor Schinhan. Hour: 9:00 daily, Prerequisite, Music s4. Students who do not have the prerequisite may take it concurrently.

s15. HARMONY. Credit, 2½ quarter hours.

Second term. Professor Schinhan. Hour: 2:00 daily.

Continuation of s14.

s24. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Professor Cykler. Hour: 11:00 daily.

A course in the general history of music from primitive music to 1700. Lectures, assigned readings, with musical illustrations.

---

* This course will be given if the demand warrants.

*s25. HISTORY OF MUSIC. Credit, 2½ quarter hours.

Second term. Music s24 is not prerequisite.

A course in the general history of music from Bach to Beethoven.

s26. HISTORY OF MUSIC. Credit, 2½ quarter hours.

First term. Professor Haydon. Hour: 12:00 daily. Music s25 is not prerequisite.

A course in the general history and appreciation of music from Beethoven to the present.

*s44. ADVANCED HARMONY. Credit, 2½ quarter hours.

Each term.

s54. MUSIC AS A LITERATURE. Credit, 3 quarter hours.

Second term. Professor Cykler. Hour: 12:00 daily and other hours to be arranged.

A course designed to direct the understanding, feeling, and taste of the music lover to the end of intelligent listening to music. Lectures and readings with abundant musical illustrations. The departmental library of records will be available to students for further study of the works discussed in class. A moderate degree of musical experience will be helpful but is not necessary. Intended for students whose major is not music. Will not be accepted as part of the major.

s71. INSTRUMENTATION, ELEMENTARY ORCHESTRATION, AND CONDUCTING. Credit, 3 quarter hours.

First term. Professor Slocum. Hour: 9:00 daily (including Saturdays).

A course in the study of the principles and practice of instrumentation, elementary score reading, and conducting.

s74. ANALYSIS AND COMPOSITION IN THE SMALLER FORMS. Credit, 3 quarter hours.

Second term. Professor Schinhan. Hour: 8:00 daily (including Saturdays).

APPLIED MUSIC

Individual Instruction

The courses in Applied Music are open to students in any department of the University. The work in these courses is regarded not merely as technical training in performance but also as a study of musical literature. A course in Applied Music normally extends through three quarters, and credit will not be given except on completion of an entire course.

The following regulations govern individual instruction in Applied Music: *Fees.* $12.00 a term for one lesson a week; $18.00 a term for two lessons a week. Practice rooms and periods are assigned at the Music Department office. Fee for one hour daily practice period—$2.00 a term; fee for two hours daily practice period—$3.00 a term; fee for six hours practice a week on Reuter four manual organ—$8.00 each term. Other rates in proportion. All fees for Applied Music and practice must be paid at the Office of the Department of Music.

sA, sB, sC, sD, sE to s81A, s81B, s81C, s81D, s81E. Individual instruction in organ, piano, voice, violin, and other band and orchestral instruments. Hours by arrangement.

sA. PREPARATORY ORGAN.

* This course will be given if the demand warrants.

s1A. FIRST YEAR ORGAN.
s21A. SECOND YEAR ORGAN.
s51A. THIRD YEAR ORGAN.
s81A. FOURTH YEAR ORGAN.
Similar numbering applies to each of the courses B, C. D, and E.
sB. PIANO.
sC. VOICE.
sD. VIOLIN.
sE. OTHER BAND AND ORCHESTRAL INSTRUMENTS.

Class Instruction

During the first term of the Summer Session, in connection with the All-State High School Band and Orchestra Music course,* class instruction in all band and orchestral instruments will be offered. These courses are designed principally for teachers having to do with the organization and directing of high school bands and orchestras. Instruments may be rented at a nominal fee, but teachers are urged to bring their own instruments if possible.

sF. ANY BAND OR ORCHESTRAL INSTRUMENT.
First term. Professor Slocum, Mr. Kutschinski, Mr. Mitchell, Miss Wilson, Mr. Hazelman. Hours: to be arranged.

sJ. CHORUS. No credit.
Second term. Mr. Keutzer. Hour: 5:00 daily.
This course is open to all students of the Summer Session interested in singing the standard literature for mixed chorus.

Courses for Graduates and Advanced Undergraduates

The work in the summer terms is planned so that a properly prepared graduate student can complete the requirements for the A.M. degree in three summers of two terms each.

s101. MUSICOLOGY. Credit, 2½ quarter hours.
First term. Professor Haydon. Hour: 11:00 daily.
This part of the general course in Musicology—which is a study of the problems and methods in the various fields, historical and systematic, of musical research—is devoted to the study of musical acoustics, and the psychology of music.

**s124. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.
First term. Prerequisite, a general course in the History of Music and some knowledge of music theory.
A critical study of certain composers or periods of musical development.

**s125. STUDIES IN THE HISTORY OF MUSIC. Credit, 2½ quarter hours.
Second term.

Courses Primarily for Graduates

s201. SPECIAL STUDIES. Credit and hours to be arranged.
Both terms. First term: Professor Haydon. Second term: Professor Cykler.

NOTE: The attention of students in Music is called to the course, Education s179a, MATERIALS AND METHODS OF TEACHING HIGH SCHOOL INSTRUMENTAL MUSIC, and Education s180a. MATERIALS AND METHODS OF TEACHING HIGH SCHOOL CHORAL MUSIC.

* See Special Announcements.
** This course will be given if the demand warrants.

SCHOOL OF PHARMACY

The School of Pharmacy offers during the first term only the courses described below. It should be understood, however, that in the plan of such offerings the School operates upon a basis different from that obtaining in other divisions of the Summer School. Two differences are outstanding: 1. Instead of charging a composite fee the School makes a fixed charge for each course offered. The total cost of each such course is indicated in the descriptions below. 2. A minimum of five students must register for any one of the courses. If fewer than this number apply the course will not be given.

Any student registered in the School of Pharmacy who desires to take any service course offered in the regular Summer School may do so, provided such addition will not constitute an over-loaded schedule, and provided such student pays the sum of $2.25 for each quarter credit hour such a service course carrics. If the service course involves a laboratory fee, such fee is an additional cost.

It is recommended that students interested in taking any courses in pharmacy write in advance to the Dean of the School of Pharmacy stating *all* subjects which they would like to pursue.

s10. PHARMACEUTICAL MATHEMATICS. Credit, 3 quarter hours.

A course that relates arithmetic and mathematics to the special problems arising in dispensing and merchandising calculations involved in pharmaceutical practice. Six lectures a week. Textbook: *Sturmer's Pharmaceutical Arithmetic.* Professor Jacobs. Tuition: $25.00.

s11. PHARMACEUTICAL TECHNIQUE. Credit, 5 quarter hours.

The lectures deal with the theory and practice of pharmacy. The laboratory work is designed to train the student in the fundamental manipulations involved in the simpler practices. Six lecture and eight laboratory hours a week. Textbooks: *U. S. Pharmacopoeia*; *National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

s13. PHARMACEUTICAL TECHNIQUE AND PREPARATIONS. Credit, 3 quarter hours.

A continuation of Pharmacy s11 dealing with the more advanced theories and manipulations of pharmacy. Simple galenical preparations are studied and prepared. Four lecture and four laboratory hours a week. Textbooks: Same as Pharmacy s11. Professor Burlage. Tuition: $25.00. Laboratory fee: $4.00.

One or the other but not both of the two following courses will be offered depending upon which is found to be in greater demand upon the part of the applicants.

s21. GALENICAL PHARMACY. Prerequisite, Pharmacy 10, 11, 12. Credit, 5 quarter hours.

The official galenicals are studied in the lectures. The laboratory work consists of the preparation of the more important types of official preparations. Six lecture and eight laboratory hours a week. Textbooks: *United States Pharmacopoeia; National Formulary.* Professor Burlage. Tuition: $40.00. Laboratory fee: $8.00.

s22. INORGANIC PHARMACY. Prerequisite, Chemistry 31. Credit, 5 quarter hours.

Official inorganic compounds are studied. The laboratory work deals with the compounds and preparations involving chemical reactions. Six lecture and eight laboratory hours a week. Textbooks: Same as Pharmacy s11, also *New and Non-Official Remedies.* Professor Burlage. Tuition: $40.00. Laboratory fee: $4.00.

PHYSICAL EDUCATION

s151. PRINCIPLES OF PHYSICAL EDUCATION. Credit, 2½ quarter hours if lectures only are taken; 5 quarter hours if both lectures and laboratory work are taken.

First term. Professor Cornwell and assistants. Hours: 9:00, and afternoon hours to be arranged.

A study is made in this course of the bases for physical education in the present organization of society; the relations of physical education to general education; standards for judging physical education practice; and the psychological, sociological, and hygienic guides to be used in the selection of materials and methods in physical education.

Laboratory work for two hours each afternoon will be available in connection with this course.

s152. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. Credit, 2½ quarter hours if lectures only are taken; 5 quarter hours if both lectures and laboratory work are taken.

First term. Professor Cornwell and assistants. Hours: 10:00, and afternoon hours to be arranged.

This course deals with problems and procedures in physical education, including the classification of students, organization of program, class schedules, teaching load, equipment, records, administration of gymnasium, and the like.

Laboratory work for two hours each afternoon.

PHYSICS

Courses for Undergraduates

*s24. GENERAL PHYSICS. PART I. Credit, 6 quarter hours.

First term. Mr. Jones and Mr. Smith. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Prerequisite, Freshman Mathematics.

*s25. GENERAL PHYSICS. PART II. Credit, 6 quarter hours.

Second term. Mr. Barr and Mr. Williams. Laboratory fee, $4.00. Hours: Lectures, 8:00 to 10:00 daily. Laboratory, 2:00 to 5:00 Tuesday and Thursday. Prerequisite, Freshman Mathematics and Physics s24 or equivalent.

s41. ASTRONOMY. Credit, 5 quarter hours.

First term. Professor Fussler. No laboratory fee. Hours: Lectures, 8:00 to 10:00 daily. Occasional observations with the telescope.

A general course in descriptive and historical astronomy; lectures and recitations, with use of lantern slides, star-maps, telescope, and other instruments. Text: Duncan, *Astronomy*.

Courses for Graduates and Advanced Undergraduates

s101. INTRODUCTION TO MATHEMATICAL PHYSICS. Credit, 5 quarter hours.

Second term. Professor Plyler. Hours: Lectures, 11:00 to 1:00 daily. Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 55, 56.

Mathematical methods for the solution of problems in dynamics, statistical mechanics, and electricity. Text: Page, *Introduction to Theoretical Physics*, or Slater and Frank, *Introduction to Theoretical Physics*.

---

* Physics s24 and s25 together are exactly equivalent to Physics 21-22-23 of the regular session.

s110. PHYSICAL MECHANICS. Credit, 5 quarter hours.

First term. Professor Stuhlman. Hours: Lectures, 11:00 to 1:00 daily. Prerequisite, Mathematics through Calculus and one of the following: Physics 52, 53, 54, 56.

Lectures, problems. Text: Lindsay, *Physical Mechanics.*

Courses Primarily for Graduates

s301. RESEARCH. Credit, 5 quarter hours.

First term. Professor Stuhlman. Hours: by arrangement.

Intended for candidates for advanced degrees. Theoretical or experimental work on a subject approved by the Physics staff. A reading knowledge of German is required.

s302. RESEARCH. Credit, 5 quarter hours.

Second term. Professor Plyler. Hours: by arrangement.

(See description for s301.)

**POLITICAL SCIENCE

Course for Undergraduates

s51. THE GOVERNMENT OF THE UNITED STATES. Credit, 5 quarter hours.

First term. Professor Robson. Hours: 9:00 and 11:00 daily.

A general course dealing with national government in the United States.

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Fesler. Hours: 9:00 to 11:00 daily.

General problems of public administration. Structural organization, personnel, financial planning and control, administrative legislation and adjudication.

s121. GOVERNMENT OF ENGLAND. Credit, 2½ quarter hours.

Second term. Professor Wagstaff. Hour: 9:00 daily.

The development and operation of the English government, in its local, national, and imperial aspects. Some attention to comparisons and contrasts with government in the United States.

s131. AMERICAN STATE GOVERNMENT. Credit, 5 quarter hours.

Second term. Professor Jenkins. Hours: 10:00 to 12:00 daily.

A study of the principles, organization, and administrative methods of state government with special attention to North Carolina.

s133. AMERICAN MUNICIPAL ADMINISTRATION. Credit, 5 quarter hours.

First term. Professor Woodhouse. Hours: 9:00 to 11:00 daily.

Special study of the principles and problems of administration in American municipal corporations, of such functions as police, public education, charities and correction, local improvements, public health, finances, with emphasis on city and town administration in North Carolina.

s141. INTERNATIONAL LAW. Credit, 5 quarter hours.

Second term. Professor Frazer. Hours: 8:00 to 10:00 daily.

A study of the rules observed by the states of the world concerning their relations in peace and war.

** The Department of History and Government has been divided into two separate departments, History and Political Science.

s142. INTERNATIONAL ORGANIZATION AND INSTITUTIONS Credit, 2½ quarter hours.

Second term. Professor Frazer. Hour: 12:00 daily.

A study of important international governmental institutions such as the administrative unions, the League of Nations, and international courts.

s175. POLITICAL PARTIES AND PUBLIC OPINION. Credit, 2½ quarter hours.

First term. Professor Woodhouse. Hour: 8:00 daily.

History, organization, operation, and policies of major and minor parties, with special reference to the relation of party to administration and to current politics in the United States.

s181. GOVERNMENTAL REORGANIZATION IN THE UNITED STATES SINCE 1929. Credit, 2½ quarter hours.

First term. Professor Fesler. Hour: 12:00 daily.

The governmental (particularly administrative) problems faced by the New Deal, and the solutions attempted through the NRA, AAA, RFC, TVA, and similar agencies.

Course Primarily for Graduates

s311. SEMINAR IN AMERICAN POLITICAL THEORY SINCE THE CIVIL WAR. Credit, 2½ or 5 quarter hours.

First and second terms. First term: Professor Robson. Second term: Professor Jenkins. Hours: to be arranged.

PSYCHOLOGY

Courses for Undergraduates

s21. GENERAL PSYCHOLOGY. (First half.) Credit, 6 quarter hours.

First term. Mr. Bayroff. Laboratory fee, $4.00. Hours: 11:00 to 1:00 daily.

The essential phenomena of human nature with emphasis upon the experimental method of approach. Lectures, demonstration, experiments. Identical with the first half of Psychology 21-22-23 as offered during the regular school year. Eight lecture and eight laboratory and demonstration hours a week.

s22. GENERAL PSYCHOLOGY. (Second half.) Credit, 6 quarter hours.

Second term. Mr. DeWick. Laboratory fee, $4.00. Hours: 11:00 to 1:00 daily.

Continuation of Psychology s21, with similar hours, etc.

Courses for Graduates and Advanced Undergraduates

s104a. ADVANCED GENERAL PSYCHOLOGY. (First half.) Credit, 2½ quarter hours.

First term. Professor Crane. Hour: 9:00 daily.

A systematic but critical survey of the general field, with emphasis upon the very latest research methods and results.

s104b. ADVANCED GENERAL PSYCHOLOGY. (Second half.) Credit, 2½ quarter hours.

Second term. Professor Dashiell. Hour: 9:00 daily.

Continuation of s104a but either course may be taken independently.

s140. PSYCHOLOGY OF PERSONALITY. Credit, 5 quarter hours.

First term. Professor Bagby. Hours: to be arranged.

This course is a consideration of certain of the factors upon which the

quality of human adjustments depend. Emphasis is placed upon emotional reactions as primary sources of motivation and an attempt is made to indicate the most effective methods of training and of retaining the various types of emotional reactions.

s146. ABNORMAL PSYCHOLOGY: PSYCHONEUROSES AND PSYCHOSES. Credit, 5 quarter hours.

First term. Professor Crane. Hours: 10:00 to 12:00 daily. Laboratory fee, $1.00.

A study is made of the more important deviations from the normally reacting and experiencing human organism. Attention is given to the sensory, imaginal, emotional, motor, etc., abnormalities and to the occurrence of these in the various psychoses. Brief surveys are given of the methods of clinical psychology and of psychotherapy.

s190. CONTEMPORARY PSYCHOLOGICAL TENDENCIES. Credit, 5 quarter hours.

Second term. Professor Dashiell. Hours: 10:00 to 12:00 daily.

A systematic survey of the more outstanding modern and contemporary movements in psychology. Historical survey using Murphy's text and Rand's readings, followed by readings in Titchener, James, Watson, Freud, Köhler, Koffka, Spranger, and perhaps others. Required of all prospective candidates for advanced degrees in psychology.

Courses Primarily for Graduates

s202. RESEARCH IN PSYCHOLOGY. Credit, 3 quarter hours.

First term. Professor Crane and Mr. Bayroff. Laboratory fee, $2.00. Hours: to be arranged.

Assistance and advice will be available to students wishing to conduct experimental investigations on individual lines.

s203. RESEARCH IN PSYCHOLOGY. Credit, 3 quarter hours.

Second term. Professor Dashiell and Mr. DeWick. Laboratory fee, $2.00. Hours: to be arranged.

Continuation of s202.

PUBLIC ADMINISTRATION

Courses for Graduates and Advanced Undergraduates

s101. PUBLIC ADMINISTRATION. See Political Science s101.

s160a. INTRODUCTION TO SOCIAL WORK. (Sociology 160.) Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 11:00 daily.

Essentially a professional course in social problems for social workers, with the major emphasis upon methods of treatment. After a brief discussion of the nature, purpose, and scope of social work in general, more detailed consideration will be devoted to methods of care of the aged poor, the destitute and mentally defective, the physically handicapped and diseased.

s164. FAMILY CASE WORK. Credit, 5 quarter hours through both terms.

First term: Mr. Lawrence. Second term: Dr. Jocher. Hour: 8:00 daily.

Discussion of the relation of the individual to the family and the family to the community. The technique of case work and its scientific approach—methods of investigation, interviewing, social evidence, sources, diagnosis, treatment.

s166a. RESOURCES FOR TREATMENT IN CASE WORK. Credit, 2½ quarter hours.

Second term. Mr. Lawrence. Hour: 10:00 daily.

Discussion of resources for treatment in case work with especial emphasis upon public welfare activities in rural and small town areas; includes the study of special facilities for the treatment of various types of cases, the particular social legislation involved, plus the actual working procedure necessary for effective work in the field.

s192. CRIME. (Sociology 192.) Credit, 5 quarter hours through both terms.

First term: Professor Brown. Second term: Professor Brearley. Hour: 11:00 daily.

Nature and causes of crime; evolution of modern methods of criminal procedure; administration of penal and reformatory institutions; programs for the social treatment of the criminal; the problems of juvenile delinquency. The class work will be supplementsd by field trips to criminal courts and penal institutions.

s198a. JUVENILE DELINQUENCY. (Sociology 198.) Credit, 2½ quarter hours.

First term. Professor Sanders. Hour: 10:00 daily.

This course deals primarily with the diagnosis of juvenile delinquency from the social worker's viewpoint, but should prove of practical value to teachers and others who are called upon to solve the conduct problems of children. In attempting to evaluate the causative factors of delinquency, the contributions of the various social sciences will be considered, with particular emphasis upon the psychological and sociological aspects.

Courses Primarily for Graduates

s266a. PUBLIC WELFARE. Credit, 2½ quarter hours.

First term. Professor Brown. Hour: 10:00 daily.

The organization of public welfare in the United States, with a detailed study of the North Carolina system.

s268a. SOCIAL WORK ADMINISTRATION. Credit, 2½ quarter hours.

Second term. Dr. Jocher. Hour: 12:00 daily.

An analysis of the administration of social agencies, both public and private. Emphasis is placed upon recent trends and developments in this field as indicated by changing terminology and practices; increased expenditures; the new alignment of public and private agencies; advancing professional standards; the growing importance of office organization and management, including personnel, improved techniques and procedures, and the preparation and keeping of records. The administration of agencies in rural areas and in small towns is given special attention. Course is offered to meet the growing demand for trained executives in social work.

ROMANCE LANGUAGES

French

Courses for Undergraduates

*s1. ELEMENTARY COURSE. Credit, 1 unit entrance.

First term. Mr. Carroll. Hours: 8:00 and 12:00 daily.

---

* Entrance credit only. The completion of French s1 and s2 prepares the student to take Intermediate French.

*s2. ELEMENTARY COURSE. (Continuation of French 1.) Credit, 1 unit entrance.

Second term. Mr. Creech. Hours: 8:00 and 12:00 daily.

s3. INTERMEDIATE FRENCH. Credit. 5 quarter hours.

First term. Mr. Linker. Hours: 8:00 and 12:00 daily.

s4. INTERMEDIATE FRENCH. (Continuation of French 3.) Credit, 5 quarter hours.

Second term. Mr. Thurman. Hours: 8:00 and 12:00 daily.

NOTE: Credit for the completion of French s3 and French s4 is the same as for French 11-12-13 taken in the regular session.

s21. INTRODUCTION TO FRENCH LITERATURE. Prerequisite, Intermediate French. Credit, 5 quarter hours.

First term. Mr. McLeod. Hours: 9:00 and 11:00 daily.

Introduction to the study of French literature to the end of the 17th century.

s22. MODERN FRENCH LITERATURE. Prerequisite, French 21. Credit, 5 quarter hours.

Second term. Mr. Smith. Hours: 9:00 and 11:00 daily.

A general survey of French literature since the classical period with special stress on the 19th century.

NOTE: Credit for the completion of French s21 and French s22 is the same as for French 21-22-23 taken in the regular session.

s55. REVIEW OF GRAMMAR AND SYNTAX. Credit, 5 quarter hours.

First term. Professor Giduz. Hours: to be announced.

This course is primarily for teachers, and is open to Juniors and Seniors who intend to teach French. It consists of an intensive review study of the elements and fundamentals of French grammar and syntax. Before registering for this course, students must secure the permission of the instructor.

Courses for Graduates and Advanced Undergraduates

s132. THE FRENCH DRAMA SINCE 1700. Prerequisite, French 23. Credit, 5 quarter hours.

Through both terms. First term: Professor Huse. Second term: Professor Wiley. Hour: 11:00 daily.

s145. FRENCH PHONETICS. Prerequisite, French 23. Credit, 5 quarter hours.

Second term. Professor Wiley. Hours: 9:00 to 11:00 daily.

s181. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Prerequisite, French 23. Credit, 5 quarter hours.

First term. Professor Huse. Hours: 9:00 to 11:00 daily.

Courses Primarily for Graduates

s221 (or s222). OLD FRENCH. Credit, 5 quarter hours.

Through both terms. Professor Holmes. Hour: 12:00 daily.

s331. HISTORY OF FRENCH LITERATURE PRIOR TO 1300. Credit, 5 quarter hours.

Through both terms. Professor Holmes. Hour: 2:00 daily.

---

* Entrance credit only. The completion of French s1 and s2 prepares the student to take Intermediate French.

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. (Research in a special field under the direction of a member of the department.)

Spanish

Courses for Undergraduates

*s1. ELEMENTARY COURSE. Credit, 1 unit entrance.
First term. Mr. McKnight. Hours: 8:00 and 12:00 daily.

*s2. ELEMENTARY COURSE. (Continuation of Spanish 1.) Credit, 1 unit entrance.

Second term. Mr. J. A. Barrett. Hours: 8:00 and 12:00 daily.

s3. INTERMEDIATE SPANISH. Credit, 5 quarter hours.
First term. Mr. Hayes. Hours: 8:00 and 12:00 daily.

s4. INTERMEDIATE SPANISH. (Continuation of Spanish 3.) Credit, 5 quarter hours.

Second term. Mr. L. L. Barrett. Hours: 8:00 and 12:00 daily.

NOTE: Credit for the completion of Spanish s3 and Spanish s4 is the same as for Spanish 11-12-13 taken in the regular college year.

Courses for Graduates and Advanced Undergraduates

s110. THE SPANISH NOVEL, 1605-1898. Credit, 5 quarter hours.

Through both terms. First term: Professor Leavitt. Second term: Professor Stoudemire. Hour: 12:00 daily.

s135. MODERN SPANISH DRAMA. Credit, 5 quarter hours.

Through both terms. First term: Professor Leavitt. Second term: Professor Stoudemire. Hour: 9:00 daily.

Course Primarily for Graduates

s395. RESEARCH. Credit, 5 quarter hours.

Through both terms. (Research in a special field under the direction of a member of the department.)

RURAL-SOCIAL ECONOMICS

Courses for Undergraduates

s51. RURAL ECONOMICS. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 9:00 daily.
A general course in the principles and problems of rural economy, with special attention given to the economics of agriculture in North Carolina and the South.

s53. HISTORY OF AGRICULTURE AND RURAL LIFE. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 9:00 daily.
This course traces the development of agriculture from its earliest beginnings to the present: earliest begininngs; Greece and Rome; later agriculture in Europe; American agriculture.

---

* Entrance credit only. The completion of Spanish s1 and s2 prepares the student to take Intermediate Spanish.

s71. RURAL SOCIOLOGY. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 11:00 daily.

Introduction to rural sociology, with some emphasis on rural social conditions and problems in North Carolina and the South.

Courses for Graduates and Advanced Undergraduates

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

First term. Professor Hobbs. Hour: 10:00 daily.

This course is designed to familiarize the student with North Carolina: natural resources, population, agriculture, social conditions, economic conditions, industry, wealth, taxation, education, public health, and public welfare.

s101a. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs: Hour: 10:00 daily.

Same as above.

s101b. NORTH CAROLINA: ECONOMIC AND SOCIAL. Credit, 2½ quarter hours.

Second term. Professor Hobbs. Hour: 11:00 daily.

This course is the continuation of 101a and may be taken by any student who has previously taken the first half of this course, either in residence or Extension, and by those registered for s101a, second term.

Course Primarily for Graduates

s311. RURAL SOCIOLOGY. Credit, 5 quarter hours.

Reading and Research. Through both terms. Professor Hobbs. Hours: to be arranged.

SOCIOLOGY

Courses for Undergraduates

s41. INTRODUCTION TO SOCIOLOGY. Credit, 5 quarter hours.

Second term. Mr. Moore. Hours: 8:00 and 10:00 daily.

A study of social origins, comtemporary society, geographical, biological, and psychological forces in society, and the elements of social theory.

s42a. SOCIAL PROBLEMS. Credit, 2½ quarter hours.

First term. Professor Meyer. Hour: 8:00 daily.

A general course giving primary emphasis to positive features and secondary consideration to the pathological aspects of society. A study of such questions as race, immigration, the family, and the community.

Courses for Graduates and Advanced Undergraduates

s152ab. SOCIAL THEORY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Gettys. Hour: 11:00 daily.

A survey of the range of contemporary social theory with preliminary consideration of its historical background. Students in the second term may take s152b without having had s152a.

s155a. SOCIAL PROGRESS AND SOCIAL VALUES. Credit, 2½ quarter hours.

First term. Professor Odum. Hour: 12:00 daily.

Theories and philosophy of social progress—Social trends and social change—Objective measurement of social change—of social progress and

regress—Measurement of social forces—Social achievement as the framework upon which to measure human progress—Application of sociological measures to democracy—to "Americanism."

s161ab. THE FAMILY. Credit, 2½ or 5 quarter hours.

Through both terms. Professor Groves. Hour: 9:00 daily.

The history, purpose and problems of the family with special attention to social conditions influencing family life and efforts for family conservation. Open to both men and women. s161b may be taken by students in the second term without having had s161a.

s168. THE COMMUNITY. Credit, 5 quarter hours.

First term. Professor Brooks. Hours: 8:00 and 10:00 daily.

Emphasis upon social planning in connection with such problems as housing, delinquency areas, slum clearance, and recreation.

s171a. EDUCATIONAL SOCIOLOGY AND THE TEACHING OF SOCIAL SCIENCE. Credit, 2½ quarter hours.

First term. Professors Odum, Trabue, Meyer, Brooks, and visiting Professor Gettys. Hour: 2:00 daily.

A special course for high school and college teachers of the social sciences composed of three parts: (1) lectures on types of teaching methods, texts, field work; (2) coöperation in special courses in government, public administration, economics, and sociology for content; and (3) a two-weeks' Institute on the Teaching of Social Science for a dozen selected heads of departments.

s175a. EXTRA-CURRICULAR ACTIVITIES. Credit, 2½ quarter hours.

First term. Professor Meyer. Hour: 10:00 daily.

Clubs, student participation in school government, physical education, publicity in school publications, commencement, many miscellaneous topics—the assembly, festival days, suggestions to leaders, home room activities, programs, dramatics, point systems, contributions from national agencies interested in extra-curricular activities, theoretical and practical studies of institutions promoting successful programs, bibliographical materials.

Courses Primarily for Graduates

s209a. REGIONAL PROBLEMS AND PLANNING. Credit, 2½ quarter hours.

Second term. Professor Odum. Hours: Mon. and Wed., 3:00-5:00.

The historical and theoretical meaning of regions—Sustentation areas—Geographic and cultural—The Development of regionalism in America—Economic, Industrial, Literary, Geographic, Commercial, Administrative—Sociological significance of regionalism in social analysis—in the fundamentals of democracy—Historical development of social planning—Development of social planning in America—Recent special developments in national and state planning—Societal significance of planning—Special studies of a six-fold division of American regions.

s215ab. SOCIAL DEMOGRAPHY AND ECOLOGY. Credit, 5 quarter hours.

Through both terms. Professor Gettys. Hours: Tues. and Thurs., 3:00-5:00.

The course attempts to synthesize the emerging concepts of culture and the region by depicting the resulting cultural landscapes. The contributions of cultural anthropology, social geography, regional sociology, and human ecology.

ZOÖLOGY

Courses for Undergraduates

s41. FUNDAMENTALS OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

First term. Professor Reynolds and assistant. Laboratory fee, $5.00. Hours: Lectures, 8:00 daily, and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Principles of Biology; elements of anatomy and physiology of vertebrate animals and studies of tissues, as necessary for an understanding of the organization and functioning of vertebrate animals and especially man.

s42. PRINCIPLES OF ANIMAL BIOLOGY. Credit, 6 quarter hours.

Second term. Professor Churchill and assistant. Laboratory fee: $5.00. Hours: Lectures, 8:00 daily, and Monday, 2:00-4:00. Laboratory, 2:00-4:00 T., W., Th., F.

Basic facts and theories of individual development, heredity and evolution; introduction to structure and classification of invertebrate animals; one or two field trips for observing and collecting animals in nature.

s43. SURVEY IN LOCAL NATURAL HISTORY. Credit, 3 quarter hours.

First term. Professor Dendy. Laboratory fee: $2.50. Twelve hours collecting and laboratory work, weekly. Hours: to be arranged.

Collecting, culturing, quick study of many forms. Especially designed for teachers of Biology to aid them in collecting, keeping and studying animals in the class room. (Students will find boots of rubber or leather and some outing clothing convenient for wear on excursions in the field.)

Course for Graduates and Advanced Undergraduates

s103. COMPARATIVE ANATOMY OF VERTEBRATE ANIMALS. Credit, 5 quarter hours.

Through both terms. First term: Professor Reynolds. Second term: Professor Churchill. Laboratory fee: $7.50. Hours: 2:00-4:00 daily.

Dissection of types especially amphioxus, petromyzon, fish, fowl, rabbit. Laboratory work with occasional lectures. Ten laboratory hours a week, both terms.

PART III—SPECIAL FEATURES

In addition to the courses of instruction announced in Part II of this Bulletin the Summer Session of 1936 will sponsor a general program of entertainment, recreation, lectures, and conferences. These special features can not be announced in complete detail at this time. More specific announcements concerning them will be announced from week to week. Some of these attractions for which preliminary arrangements have been made are as follows:

A program of social activities and week-end dances will be conducted by the Social Committee.

The Department of Music will put on a series of faculty and student recitals.

Carolina Playmakers

The Carolina Playmakers as in previous summers will present a play in their beautiful little Playmakers Theatre on the University campus or in the Forest Theater in Battle Park adjoining the campus. Summer school students interested in dramatics will have an opportunity to take part in this production as actors and also in designing and construction of the scenery, costuming, lighting and make-up of the production. The play to be presented and the dates on which it will be given will be announced later.

Course on Marriage and the Family (July 6-10)

In response to a growing interest in the development of instruction designed to give preparation for marriage, Professor Ernest R. Groves will have charge of a one week's course in the methodology of teaching courses dealing with the problems of marriage and the family. This course is open to men and women who are graduates of colleges or schools of medicine, law, or theology, and who already are giving or are preparing to give courses in marriage and the family. In connection with it a series of evening lectures is being planned to be given by specialists who professionally deal with problems related to marriage. Correspondence regarding it should be addressed to Professor Groves.

Institute on Public Welfare

Among the special features for the Summer School may be listed the summer Institute on Public Welfare under the joint auspices of the State Board of Charities and Public Welfare and the Social Work Division of the University of North Carolina School of Public Administration. This annual institute has been held since 1920 and brings together a large number of social workers, superintendents of public welfare, and visiting specialists.

A one week's Course on Teaching Marriage and the Family is held under the direction of Professor Groves. (See above.) This course enrolls special students from the several states in the region and will bring together a number of leading specialists in the United States.

There will be a special concentration of courses on sociology and education, with some special institutes on the teaching of sociology in the Southeast.

State Conference on Adult Education

The Extension Division and the Summer Session of The University of North Carolina will conduct at Chapel Hill on July 15 and 16 the third State Conference on Adult Education. Representatives of agencies engaged in educational activities for adults are invited to attend.

Fine Arts

The University of North Carolina has been experimenting for three years with instruction in painting and drawing. A resident teacher, visiting lecturers, and exhibits in the field of Fine Arts have been provided. The University is prepared to continue the same type of instruction in the Summer Session of 1936. Any persons interested in instruction in Fine Arts may secure information by addressing inquiries to the Secretary of the Summer Session, Chapel Hill, N. C.

Art Institute

An Art Institute for teachers and amateur artists will be conducted by the University Extension Division, in coöperation with the State Department of Public Instruction, at Blue Ridge, N. C., August 6 to 8, 1936. Lectures, demonstrations, and special exhibitions will constitute the main part of the program. For information write to Mrs. Corinne McNeir, Field Representative in Art, Chapel Hill, N. C.

Short Course in Nursing Education

In coöperation with the North Carolina State Nurses Association, the Extension Division will conduct a Short Course in Nursing Education for graduate nurses, at Chapel Hill July 27-August 5, 1936. The course will include lectures on both professional and cultural subjects of interest to registered nurses. Inquiries concerning the course should be addressed to R. M. Grumman, Director, University Extension Division, Chapel Hill, N. C.

Ninth Annual Parent-Teacher Institute (August 3-10)

The Extension Division, in coöperation with the North Carolina Congress of Parents and Teachers, will hold at Chapel Hill during the period August 3-10, inclusive, the ninth annual Parent-Teacher

Institute. Summer Session students are invited to attend and may secure information from R. M. Grumman, 307 South Building, Chapel Hill, N. C.

Fifteenth Annual Coaching School For Athletic Directors and Coaches (August 17-29)

The fifteenth annual coaching school for athletic directors and coaches will be conducted at Chapel Hill from August 17 until August 29. Instruction will be given in the coaching of football, basketball, baseball, track, boxing, and wrestling, and in training and conditioning. Robert A. Fetzer, Director of Athletics at the University of North Carolina, will serve as director of the school and the various members of the University's regular coaching staff will serve as instructors. Information concerning the school may be secured from E. R. Rankin, Secretary, 309 South Building.

Conference on Education and Public Relations

During the first term of the Summer Session (June 11-July 22) there will be conducted in Chapel Hill, at dates to be announced later, a conference on Education and Public Relations, similar to the conference held in 1935 on Public Educational Administration. A special announcement will be issued later.

Higher Education

A special course dealing with problems of instruction and administration in higher educational institutions will be conducted during the first term by members of the staff and distinguished visiting lecturers.

Social Activities

The Committee on Social Activities, H. F. Comer, Chairman, is in control of the evening socials in the gymnasium and of all dances given by student groups. It is the policy of the committee to foster the maximum amount of wholesome social life compatible with good scholastic work. In keeping with this policy, the essential regulations are kept down to the minimum number. There will be dancing in the gymnasium regularly, under the management of the social committee, on Friday and Saturday evenings. Inasmuch as there is no appropriation or fee for defraying the expenses of social programs, the dances have to be self-supporting. Therefore, a small door fee is charged of all men at each dance—fifty cents for the two-and-one-half-hour periods.

Permissions for all dances given by students anywhere and at any time must be obtained in advance from the chairman of the Social Activities Committee.

The highest standard of conduct has characterized our social functions in the past and the Summer School insists that this be the case at all times.

The Y. W.-Y. M. C. A.

The Y. W.-Y. M. C. A. is a combined organization of Y. W. C. A. and Y. M. C. A. It has a mixed cabinet of men and women students, about thirty in number, with an employed staff of three secretaries, two women and one man. This Association serves the entire Summer Session, and in campus vernacular is called simply the "Y." It has headquarters in the Y. M. C. A. building which is located in the heart of the campus. The location of the building typifies the place the Association fills in the life of the community, for it is truly the center of campus activities.

The principal points of the "Y's" program for the summer are the following:

1. Operating the "Y" building, as a Campus Home—or club for all—having lobby; parlor, with piano, etc.; reading room; committee rooms; telephone for local and long distance service; ice water, etc. In the building a host and hostess are always present to receive and serve students and their friends.

2. A distinctive form of campus service is rendered through the "Y" office, in an Information and Lost and Found Bureau. A master directory is kept here, of all students and faculty. Telegrams and long distance calls are handled through this office. Found articles are turned in here and prompt effort is made to locate the owner. Inquiries are also left at the office for lost articles. Any information desired, in fact, may be had here, for if we cannot answer your questions we know who can and will direct you to them.

3. Special attention is given the many visitors who come to the campus throughout the summer. You are invited to instruct your visiting friends to "Report at the 'Y'" and wait in the lounge while we send for you.

4. Religious program is given constant and thorough attention by the "Y" organization during the summer. It coöperates with the five local churches in their efforts for students. It conducts a vesper, or 12-minute prayer service every evening immediately following supper. The "Y" promotes a union church program for the month of August.

5. The Social and Entertainment department is very active all the time. It provides music and general facilities for amusement. There is a public dance every Friday and Saturday evening. This department also conducts picnics, hikes, and various other parties from time to time.

6. A Self-Help Bureau is ever active, assisting any needy students in getting remunerative employment for defraying part of their college expenses.

7. In addition to the above points of program, the "Y" is a general campus and community welfare agency, rendering service wherever

needed. The Association solicits the coöperation of every summer session student. Use it, and work through it!

8. The social program will make frequent use of the handsome Graham Memorial Building this summer.

9. Housing and Rooming Bureau.

Student Self-government operates in the summer session under joint men's and women's councils, sponsored by the Social Committee, the Dean of Students, and the Adviser to Women.

Special Announcements in Music

All-State High School Music Course

The Extension Division in coöperation with the Music Department of the University of North Carolina at Chapel Hill will offer during the first term of the summer session, from June 11th to July 22nd, an All-State High School Music course which will be open to all high school band and orchestra players.

In addition to daily rehearsals of the All-State High School Band and Orchestra, students will be enrolled in music theory and appreciation classes and will also receive individual lessons and training in ensemble. Concerts, recitals, sports, and social recreation complete the list of activities which are planned and supervised by a competent and experienced staff.

Enrollment is open to any high school student or graduate of the current year upon recommendation of his school superintendent and music supervisor. Membership is not contingent upon participation in music contests, although special attainments in any field are taken into account in the selection of members.

The details of the living arrangement and recreational activities will be planned and supervised by the Dean of Students, the Adviser to Women, the University Y. M. C. A., and the Department of Physical Education. The cost of the complete All-State Music Course has been reduced to the absolute minimum and a single fee of fifty dollars ($50.00) covers board, room, and tuition for the six weeks course.

Courses will be offered for music supervisors and teachers having to do with the organization and direction of high school bands and orchestras. See especially the courses Music s4, s14, s71, sF, and Education s179a. Professor Slocum will be in general charge of the project. The staff will include Dr. Glen Haydon, Head of the Department of Music, U. of N. C.; Christian D. Kutschinski, Director of Music, State College, Raleigh; J. Harris Mitchell, Instrumental Supervisor, Durham Public Schools; Elizabeth Wilson, Violin instructor, State School for the Blind, Raleigh, N. C.; and Herbert Hazelman, Graduate Assistant at the University.

School officials receiving this announcement are invited to recommend several outstanding students in each of the special fields of

band and orchestra for membership in the 1936 All-State High School Music Organization. Recommendations or inquiries should be addressed to the Extension Division, The University of North Carolina, Chapel Hill, N. C.

Summer Session Chorus

A special feature of the second term of the Summer Session will be the chorus which will meet daily at 5:00 P. M. for an hour of informal singing under the leadership of Clyde Keutzer, well-known choral director of New York City.

Organ and Vocal Recitals

During the second term there will be a series of organ recitals by Professor Jan Philip Schinhan and vocal recitals by Mr. Clyde Keutzer.

Course in Hand Puppetry

During the first term a practical course in hand puppetry will be conducted by Miss Catherine McAndrews, an A.B. graduate of Vassar College and a graduate of the Vassar Experimental Theatre. Hand puppets as tools in health education and in classroom and community projects. This course will be shaped as far as possible by the individual problems of the students. The class will make simple hand puppets, learn to manipulate them, construct a small portable theatre, and write puppet plays. Methods which young school children can follow will be included. The course will consist of two hours of laboratory work five days a week and will carry regular credit of 2 semester hours on a teaching certificate.

UNIVERSITY HIGH SCHOOL

During the first term of the Summer Session of 1936 (June 11 to July 22) the University will provide in Chapel Hill some high school courses for those who are deficient in preparation for admission to college or who desire a better preparation for college admission. The high school courses which are to be offered are listed below.

No student will be allowed to take more than two courses. The fee for each course will be $12.00. Board and room can be obtained in Chapel Hill at reasonable rates. Students whose applications for admission to the University have been accepted may live in the University Residence Halls and may register in the University. For those students who have not completed their requirements there are no charges except the course fee.

For further information write to the Secretary, The Summer Session, Chapel Hill, N. C.

Mathematics A. HIGH SCHOOL ALGEBRA. One entrance unit. Two hours daily.

Mathematics B. PLANE GEOMETRY. One entrance unit. Two hours daily.

French 1. ELEMENTARY FRENCH. One entrance unit. Two hours daily. See French Department in this Bulletin.

*French 2. SECOND YEAR FRENCH. One entrance unit. Two hours daily. See French Department in this Bulletin.

Spanish 1. FIRST YEAR SPANISH. One entrance unit. Two hours daily. See Spanish Department in this Bulletin.

*Spanish 2. SECOND YEAR SPANISH. One entrance unit. Two hours daily. See Spanish Department in this Bulletin.

Latin 1. PRIMARY LATIN. One entrance unit. Two hours daily.

Latin 2. CAESAR. One entrance unit. Two hours daily.

German 1. FIRST YEAR GERMAN. One entrance unit. Two hours daily. See German Department in this Bulletin.

*German 2. SECOND YEAR GERMAN. One entrance unit. Two hours daily. See German Department in this Bulletin.

History A. AMERICAN HISTORY. One entrance unit. Two hours daily.

English A. GRAMMAR AND COMPOSITION. One entrance unit. Two hours daily.

---

* French 2, Spanish 2, and German 2 are not offered during the first term of the Summer Session. Since these courses are regular offerings of the University Summer Session, students who wish to do so may take these courses during the second term.

New Regulation of the State Department of Education:

At the suggestion of Dr. James E. Hillman, Director, Division of Professional Service, we make the following statement:

"As of July 1, 1939, and thereafter, the Class A Certificate built up from a lower grade certificate will be based upon a satisfactory completion of the requirements for a degree from a standard college, along with, or in addition to, the specific certificate requirements. It is suggested that those teachers in service who may not reasonably be expected to qualify for the Class A Certificate prior to July 1, 1939, arrange their program of studies in coöperation with the institution from which they would like to obtain the degree.

"The above direct authorization has been made by the State Board of Education."

We are carrying this announcement that those teachers who now do not hold Class A Certificates may have their attention called to their situation, and may make every possible effort to secure the desired certificates before this change goes into effect July 1, 1939.

THE WOMAN'S COLLEGE

OF

THE UNIVERSITY OF NORTH CAROLINA

GREENSBORO, N. C.

SUMMER SESSION—JUNE 9-JULY 17

The chief purpose of the Summer Session is to serve students and teachers of North Carolina to the greatest possible extent at the least possible cost.

Distinctive features of the Summer Session at this division of the University are:

1. Courses in elementary and high school education.
2. Full home economics curriculum.
3. New courses in Art.
4. Regular and special courses in Music.
5. Observation and Nursery School.
6. Full social and recreational program under expert leadership.

Courses will be offered for college students who wish to advance their standing or make up work.

Expenses are as follows:

Fees and charges	$20.00
Board, room and laundry	33.00
	$53.00

For further information write:

W. C. JACKSON,
Dean of Administration,
Greensboro, N. C.

NORTH CAROLINA STATE COLLEGE OF AGRICULTURE AND ENGINEERING

OF THE

UNIVERSITY OF NORTH CAROLINA

Raleigh

Summer Session

June 10—July 21, 1936

The twenty-third summer session of North Carolina State College of Agriculture and Engineering of the University of North Carolina will open on Wednesday, June 10, and close on Tuesday, July 21.

Besides the usual basic academic courses the College will offer special instruction in Agriculture, Agricultural Education, Cotton Classing, Engineering, Forestry, Industrial Arts Education, Textiles, Vocational Education and Vocational Guidance.

Expenses

Room Rent (single room)	$10.00
Room Rent (two in a room)	7.50
Board at College Cafeteria (estimated)	30.00
Registration fee	3.00
Course fee (for each quarter hour credit)	3.00

For summer session catalogue and additional information, write:

J. W. Harrelson, *Dean of Administration*
North Carolina State College
Raleigh, N. C.